

DEUE

Abgabe 4, Gruppe 10

FRUHWIRTH Clemens <clemens@endorphin.org>
SYLLE Sheila <e0025418@student.tuwien.ac.at>

October 24, 2003

1 Create

```
DROP TABLE bestellung;  
DROP TABLE bevorzugt;  
DROP TABLE kunde;  
DROP TABLE ernte;  
DROP TABLE weinsorte;  
DROP TABLE winzer;
```

```
CREATE TABLE weinsorte (we_name VARCHAR2(25),  
                        we_anmerkung VARCHAR2(10),  
                        PRIMARY KEY(we_name));
```

 10

```
CREATE TABLE winzer (wi_code INTEGER PRIMARY KEY,  
                    wi_name VARCHAR2(30),  
                    wi_adresse VARCHAR2(50));
```

```
CREATE TABLE ernte (e_we_name VARCHAR2(25) REFERENCES weinsorte(we_name),  
                   e_wi_code INTEGER REFERENCES winzer(wi_code),  
                   e_jahr INTEGER,  
                   e_menge INTEGER,  
                   e_preis INTEGER,  
                   PRIMARY KEY(e_we_name, e_wi_code, e_jahr));
```

 20

```
CREATE TABLE kunde (k_id INTEGER,  
                    k_name VARCHAR2(50),  
                    k_adresse VARCHAR2(50),  
                    k_kontostand INTEGER,  
                    PRIMARY KEY(k_id));
```

```
CREATE TABLE bevorzugt (bev_k_id INTEGER REFERENCES kunde(k_id),  
                        bev_we_name VARCHAR2(25) REFERENCES weinsorte(we_name),  
                        PRIMARY KEY(bev_k_id,bev_we_name));
```

 30

```
CREATE TABLE bestellung(bes_k_id INTEGER REFERENCES kunde(k_id),  
                        bes_datum DATE,  
                        bes_nummer INTEGER,  
                        bes_e_we_name VARCHAR2(25),  
                        bes_e_wi_code INTEGER,  
                        bes_e_jahr INTEGER,  
                        bes_anzahl INTEGER,  
                        PRIMARY KEY(bes_k_id,bes_datum,bes_nummer),  
                        FOREIGN KEY(bes_e_we_name,bes_e_wi_code,bes_e_jahr) REFERENCES ernte (e_we_name, e_wi_code, e_e_jahr));
```

 40

2 Abfragen

2.1 Bsp 1.

```
select bes_e_we_name, sum(bes_anzahl) from bestellung
where bes_e_jahr=2002
group by bes_e_we_name
order by bes_e_we_name
```

BES_E_WE_NAME	SUM(BES_ANZAHL)	
Muskateller Classic	4	
Pannobile	8	10
Uhudler	6	
Welschriesling	11	

2.2 Bsp 2.

```
select * from (
select e1.e_we_name, avg(e1.e_menge) from ernte e1 group by e1.e_we_name
UNION
select we_name, 0 from weinsorte w
where not exists
(select 'x' from ernte e2 where w.we_name = e2.e_we_name)
)
order by e_we_name
```

E_WE_NAME	AVG(E1.E_MENGE)	
Blauer Portugieser	7.57142857	
Blauer Zweigelt	7.4	
Blaufrnkisch Imperial	9.5	
Chardonnay	8	
Cuve de Merin	10.4285714	
Gelber Muskateller	5	
Grner Veltliner	6	
Mephisto	5	
Muskateller Classic	9.42857143	20
Olivin	7.42857143	
Pannobile	9.2	
Pinot Noir	9	
Rochus	10.33333333	
Rosso e Nero	1	
Sauvignon blanc	9	
Shiraz	11.4444444	
Solitaire	4.33333333	
Uhudler	11.8571429	
Welschriesling	9	30
Zweigelt	10.5	

20 rows selected.

2.3 Bsp 3.

```

select b.bes_k_id, b.bes_nummer, sum(b.cash) from
  (select bes_k_id, bes_nummer, bes_anzahl * e_preis as cash
   from bestellung, ernte
   where bes_e_we_name = e_we_name and
         bes_e_wi_code = e_wi_code and
         bes_e_jahr = e_jahr) b
group by b.bes_k_id, b.bes_nummer
order by b.bes_k_id;

```

BES_K_ID	BES_NUMMER	SUM(B.CASH)	
1	1991	51	
2	4599	322	
3	8030	114	
4	107	96	
4	131	66	
4	369	84	
4	901	384	
4	2888	215	
4	5382	90	20
4	6806	92	
4	6839	125	
4	7036	120	
5	1542	50	
5	1555	128	
5	1605	135	
5	3094	25	
5	9021	35	
5	9168	432	
6	3378	215	30
7	4669	129	
7	9898	50	
8	2501	41	
8	6742	90	
8	7378	64	
8	9351	162	
9	743	414	
9	8031	301	
9	8053	328	
9	9612	344	40
10	847	21	
10	1275	222	
10	6162	78	
10	8298	342	
11	2335	175	
11	3634	92	
12	3157	328	
12	6480	288	
13	4223	153	
13	4234	104	50
13	7161	55	
14	4010	126	
14	4407	30	
14	4699	24	
14	6112	144	
14	6435	84	
14	7654	72	
15	2190	175	
15	3848	369	
15	5733	43	60

15	9989	258	
16	5898	92	
16	8043	168	
16	9280	243	
17	1977	75	
17	5998	34	
17	9108	180	
18	3	160	
18	309	48	
18	1422	68	70
18	3036	301	
18	4068	86	
18	4571	86	
19	8910	16	
20	2297	42	
20	3457	222	
20	4058	10	
20	6773	88	
20	6909	258	
20	7380	63	80
21	2601	266	
21	9686	36	
22	58	222	
22	1194	124	
22	4236	328	
23	53	126	
23	1349	80	
23	1710	156	
23	3295	16	
23	3671	387	90
23	6916	144	
24	107	44	
24	4995	152	
24	5211	182	
24	8101	152	
24	8908	123	
25	2813	100	
25	4432	288	
25	7784	84	
26	2927	36	100
26	4389	60	
26	5839	288	
27	6205	188	
28	1195	108	
28	2819	136	
28	5738	282	
28	5914	333	
28	7269	48	
28	9660	96	
28	9921	11	110
29	471	88	

100 rows selected.

2.4 Bsp 4.

```
select k_id, k_name, k_adresse from kunde
where not exists
  (select 'x' from bestellung
   where k_id = bes_k_id and
```

```

bes_e_we_name = 'Grner Veltliner')
order by k_id;

```

K_ID	K_NAME	K_ADRESSE	
1	Dawid	Herbert-Reyl-G 1 6900 Bregenz	
2	Gocisaw	Mhlg 38 9020 Klagenfurt	
3	Unimir	Bischofpl. 2 8010 Graz	
4	Wojsawa	Eckelbacherg 16 3100 St. Plten	
5	Tymon	Veithg 6 1030 Wien	
7	Kallina	Gumpendorfer Str. 87, 1060 Wien	
8	Januaria	Eckelbacherg 16 3100 St. Plten	
9	Dziersawa	Walddorf 8 9020 Klagenfurt	
10	Hiacynt	Blumenstr. 9/1 6900 Bregenz	
11	Arkady	Am Kaisermhlendamm 1, 1220 Wien	20
12	Raissa	Ramsauerstr. 3 9020 Klagenfurt	
13	Salomea	Landsbergerstr. 26 3100 St. Plten	
14	Grzymisaw	Steinachstr. 16 6900 Bregenz	
17	Sdzimir	Dblinger Grtel 21-23 1190 Wien	
19	Gilda	Jakoministr. 7a/2 8010 Graz	
20	Mieczysawa	Passauer Str. 63 3100 St. Plten	
22	Przybysaw	Ramsauerstr. 3 9020 Klagenfurt	
23	Telimena	Kaiserstr. 19 6900 Bregenz	
24	Jadwiga	Schweizertalstr. 25a 1130 Wien	
25	Epifani	Rauholzstr. 27d 6900 Bregenz	30
27	Beatryks	Am Kaisermhlendamm 1, 1220 Wien	
28	Juliusz	Achsiedlungsstr. 43 6900 Bregenz	
29	Artur	Reuteg 24/2 6900 Bregenz	
30	Rufina	Eckelbacherg 16 3100 St. Plten	

24 rows selected.

2.5 Bsp 5.

```

select k_id, k_name from kunde
where exists
    (select 'x' from bestellung
     where k_id = bes_k_id and
           bes_e_we_name = 'Blauer Portugieser')
and not exists
    (select 'x' from bestellung
     where k_id = bes_k_id and
           bes_e_we_name = 'Uhudler')
order by k_id;

```

K_ID	K_NAME
11	Arkady
20	Mieczysawa

2.6 Bsp 6.

```

select wi_name, wi_adresse from winzer
where not exists
    (select 'x' from weinsorte
     where not exists
         (select 'x' from ernte
          where wi_name = weinsorte_name
                and wi_adresse = weinsorte_adresse))

```

```

                                where wi_code = e_wi_code and
                                we_name = e_we_name))
order by wi_name

```

WI_NAME	WI_ADRESSE	
Adam-Lieleg	Kranach 78, 8463 Leutschach	10

2.7 Bsp 7.

```

select a.bes_k_id, a.bes_e_we_name from bestellung a
where
(select sum(b.bes_anzahl) from bestellung b
  where b.bes_k_id = a.bes_k_id and
        b.bes_e_we_name = a.bes_e_we_name)
>
(select avg(c.bes_anzahl) from bestellung c, bevorzugt
  where c.bes_k_id = bev_k_id and
        c.bes_k_id = a.bes_k_id)
minus
select * from bevorzugt;

```

BES_K_ID	BES_E_WE_NAME	
4	Olivin	
4	Pannobile	
7	Cuve de Merin	
8	Cuve de Merin	
9	Pannobile	
9	Uhudler	20
10	Shiraz	
13	Pinot Noir	
14	Solitaire	
14	Uhudler	
15	Grner Veltliner	
15	Olivin	
16	Grner Veltliner	
16	Shiraz	
17	Shiraz	
18	Grner Veltliner	30
18	Olivin	
20	Blauer Portugieser	
20	Shiraz	
21	Welschriesling	
23	Cuve de Merin	
23	Pannobile	
24	Rochus	
26	Grner Veltliner	
28	Pinot Noir	
28	Shiraz	40
28	Solitaire	

27 rows selected.

2.8 Bsp 8.

```

select w1.wi_code, w2.wi_code from winzer w1, winzer w2
where w1.wi_code < w2.wi_code and not exists
(select 'x' from ernte e1
  where e1.e_jahr = 2002 and
        e1.e_wi_code = w1.wi_code and
        not exists
          (select 'x' from ernte e2
            where e2.e_jahr = 2002 and
                  e2.e_wi_code = w2.wi_code and
                  e1.e_we_name = e2.e_we_name
           ))
and not exists
(select 'x' from ernte e1
  where e1.e_jahr = 2002 and
        e1.e_wi_code = w2.wi_code and
        not exists
          (select 'x' from ernte e2
            where e2.e_jahr = 2002
                  and e2.e_wi_code = w1.wi_code and
                  e1.e_we_name = e2.e_we_name
           )
)
order by w1.wi_code

```

WI_CODE	WI_CODE
2	3
7	9
7	10
9	10

10

20

30

2.9 Bsp 9.

```

select bes_k_id, bes_e_we_name from bestellung group by bes_k_id,
bes_e_we_name having sum(bes_anzahl) > 100

```

BES_K_ID	BES_E_WE_NAME
10	Olivin

2.10 Bsp 10.

```

select wi_name,
(select sum(e_menge) from ernte where wi_code = e_wi_code and e_jahr in
(1995,1996,1997,1998,1999) and e_we_name = 'Zweigelt') as "Zweigelt",
(select sum(e_menge) from ernte where wi_code = e_wi_code and e_jahr in
(1995,1996,1997,1998,1999) and e_we_name = 'Welschriesling') as "Welschriesling",
(select sum(e_menge) from ernte where wi_code = e_wi_code and e_jahr in
(1995,1996,1997,1998,1999) and e_we_name = 'Grner Veltliner') as "Grner Veltliner"
from winzer
order by wi_name

```

WI_NAME	Zweigelt	Welschriesling	Grner Veltliner
Adam-Lieleg			6

10

Gollmann		15	
Neumeister			
Platzer		7	
Polz			
Sattlerhof			
Schober	15		
Tement		2	20
Thaller			
Winkler–Hermaden		3	

10 rows selected.

2.11 Bsp 11.

```
select a.e_we_name, wi_name, a.e_menge from ernte a, winzer
where a.e_jahr = 2001 and
      a.e_wi_code = wi_code and
      a.e_menge =
        (select max(b.e_menge) from ernte b
         where b.e_jahr = 2001 and
              b.e_we_name = a.e_we_name group by b.e_we_name)
order by a.e_we_name
```

E_WE_NAME	WI_NAME	E_MENGE	
Blauer Portugieser	Adam–Lieleg	5	
Blauer Zweigelt	Neumeister	10	
Blaufränkisch Imperial	Platzer	15	
Chardonnay	Polz	1	
Cuve de Merin	Schober	13	
Gelber Muskateller	Tement	1	
Grner Veltliner	Winkler–Hermaden	2	
Muskateller Classic	Adam–Lieleg	12	
Olivin	Schober	7	20
Rochus	Tement	18	
Sauvignon blanc	Neumeister	18	
Uhudler	Winkler–Hermaden	19	
Welschriesling	Polz	10	

13 rows selected.

2.12 Bsp 12.

```
select bes_k_id from bestellung where bes_e_wi_code =
(select wi_code from winzer where wi_name = 'Adam-Lieleg')
group by bes_k_id
having sum(bes_anzahl) =
  (select max(zweit) from
   (select sum(bes_anzahl) as zweit from bestellung
    where bes_e_wi_code =
      (select wi_code from winzer where wi_name =
'Adam-Lieleg')
   group by bes_k_id
  )
  minus
  select max(sum(bes_anzahl)) from bestellung
  where bes_e_wi_code =
```

```

                (select wi_code from winzer where wi_name =
'Adam-Lieleg')
                group by bes_k_id
        )
    )
BES_K_ID
-----
13

```

3 Testdaten

```

INSERT INTO weinsorte VALUES ('Chardonnay','y');
INSERT INTO weinsorte VALUES ('Muskateller Classic','lc');
INSERT INTO weinsorte VALUES ('Grner Veltliner','ah');
INSERT INTO weinsorte VALUES ('Welschriesling','om');
INSERT INTO weinsorte VALUES ('Gelber Muskateller','ye');
INSERT INTO weinsorte VALUES ('Sauvignon blanc','oo');
INSERT INTO weinsorte VALUES ('Cuve de Merin','');
INSERT INTO weinsorte VALUES ('Zweigelt','');
INSERT INTO weinsorte VALUES ('Rochus','cn');
INSERT INTO weinsorte VALUES ('Shiraz','');
INSERT INTO weinsorte VALUES ('Blauer Zweigelt','n');
INSERT INTO weinsorte VALUES ('Olivin','ot');
INSERT INTO weinsorte VALUES ('Pinot Noir','h');
INSERT INTO weinsorte VALUES ('Solitaire','sa');
INSERT INTO weinsorte VALUES ('Pannobile','s');
INSERT INTO weinsorte VALUES ('Mephisto','r');
INSERT INTO weinsorte VALUES ('Uhudler','ns');
INSERT INTO weinsorte VALUES ('Blauer Portugieser','a');
INSERT INTO weinsorte VALUES ('Blaufrnkisch Imperial','ci');
INSERT INTO weinsorte VALUES ('Rosso e Nero','gs');
INSERT INTO winzer VALUES (1,'Adam-Lieleg','Kranach 78, 8463 Leutschach');
INSERT INTO winzer VALUES (2,'Gollmann','Gieelsdorf 102, 8354 St. Anna/Aigen');
INSERT INTO winzer VALUES (3,'Platzer','Granitzberg 54a, 8471 Spielfeld');
INSERT INTO winzer VALUES (4,'Polz ','Triftgasse 21, 7143 Apetlon');
INSERT INTO winzer VALUES (5,'Tement','Untere Hauptstrae 10, 7122 Gols');
INSERT INTO winzer VALUES (6,'Schober','Nr. 42, 8345 Straden');
INSERT INTO winzer VALUES (7,'Neumeister','Langegasse 65, 7301 Deutschkreutz');
INSERT INTO winzer VALUES (8,'Sattlerhof','Kirchberg, 7142 Illmitz');
INSERT INTO winzer VALUES (9,'Winkler-Hermaden ','Lange Zeile 28, 7311 Neckenmarkt');
INSERT INTO winzer VALUES (10,'Thaller','Quergasse 5, 7142 Illmitz');
INSERT INTO ernte VALUES ('Cuve de Merin',5,1997,12,34);
INSERT INTO ernte VALUES ('Gelber Muskateller',5,1997,6,37);
INSERT INTO ernte VALUES ('Blauer Zweigelt',7,2001,10,48);
INSERT INTO ernte VALUES ('Blauer Portugieser',6,1998,12,19);
INSERT INTO ernte VALUES ('Rochus',3,1997,8,11);
INSERT INTO ernte VALUES ('Solitaire',3,1998,3,45);
INSERT INTO ernte VALUES ('Shiraz',8,1995,16,21);
INSERT INTO ernte VALUES ('Chardonnay',3,1995,5,12);
INSERT INTO ernte VALUES ('Mephisto',9,1996,8,16);
INSERT INTO ernte VALUES ('Cuve de Merin',1,1998,9,13);
INSERT INTO ernte VALUES ('Shiraz',8,1998,13,47);
INSERT INTO ernte VALUES ('Muskateller Classic',4,2002,13,31);
INSERT INTO ernte VALUES ('Solitaire',1,1999,4,41);
INSERT INTO ernte VALUES ('Pinot Noir',8,1996,8,25);
INSERT INTO ernte VALUES ('Pannobile',9,2000,11,43);
INSERT INTO ernte VALUES ('Shiraz',9,1996,15,18);
INSERT INTO ernte VALUES ('Grner Veltliner',3,1998,7,19);
INSERT INTO ernte VALUES ('Gelber Muskateller',3,1998,14,23);

```

INSERT INTO ernte VALUES ('Pannobile',6,1998,4,12);
 INSERT INTO ernte VALUES ('Blauer Portugieser',2,2000,6,43); 50
 INSERT INTO ernte VALUES ('Solitaire',2,1998,7,21);
 INSERT INTO ernte VALUES ('Blauer Portugieser',6,1997,4,25);
 INSERT INTO ernte VALUES ('Uhdler',8,1998,18,37);
 INSERT INTO ernte VALUES ('Pinot Noir',1,1999,14,29);
 INSERT INTO ernte VALUES ('Solitaire',6,1999,4,18);
 INSERT INTO ernte VALUES ('Pinot Noir',6,2002,7,12);
 INSERT INTO ernte VALUES ('Blauer Portugieser',1,2001,5,35);
 INSERT INTO ernte VALUES ('Pinot Noir',1,1997,9,17);
 INSERT INTO ernte VALUES ('Grner Veltliner',2,1996,15,18);
 INSERT INTO ernte VALUES ('Pinot Noir',2,1997,15,18); 60
 INSERT INTO ernte VALUES ('Chardonnay',5,2000,14,25);
 INSERT INTO ernte VALUES ('Pannobile',2,2002,17,10);
 INSERT INTO ernte VALUES ('Muskateller Classic',1,2001,12,12);
 INSERT INTO ernte VALUES ('Uhdler',9,1999,13,28);
 INSERT INTO ernte VALUES ('Muskateller Classic',8,2000,10,19);
 INSERT INTO ernte VALUES ('Cuve de Merin',6,2001,13,26);
 INSERT INTO ernte VALUES ('Grner Veltliner',1,1997,6,36);
 INSERT INTO ernte VALUES ('Blauer Zweigelt',5,1999,1,44);
 INSERT INTO ernte VALUES ('Olivin',2,2001,1,43); 70
 INSERT INTO ernte VALUES ('Chardonnay',4,2001,1,11);
 INSERT INTO ernte VALUES ('Welschriesling',1,2002,4,38);
 INSERT INTO ernte VALUES ('Gelber Muskateller',3,1997,5,17);
 INSERT INTO ernte VALUES ('Welschriesling',6,2001,7,35);
 INSERT INTO ernte VALUES ('Cuve de Merin',8,1998,15,23);
 INSERT INTO ernte VALUES ('Uhdler',8,2000,9,48);
 INSERT INTO ernte VALUES ('Shiraz',2,1998,17,36);
 INSERT INTO ernte VALUES ('Rochus',7,1995,14,19);
 INSERT INTO ernte VALUES ('Mephisto',8,2002,6,30);
 INSERT INTO ernte VALUES ('Blaufrnkisch Imperial',4,1995,5,14);
 INSERT INTO ernte VALUES ('Muskateller Classic',9,1999,7,25); 80
 INSERT INTO ernte VALUES ('Grner Veltliner',5,1996,2,31);
 INSERT INTO ernte VALUES ('Blauer Portugieser',4,2000,13,45);
 INSERT INTO ernte VALUES ('Solitaire',1,2000,7,48);
 INSERT INTO ernte VALUES ('Blaufrnkisch Imperial',3,1999,4,27);
 INSERT INTO ernte VALUES ('Shiraz',2,1995,3,38);
 INSERT INTO ernte VALUES ('Uhdler',5,2002,5,24);
 INSERT INTO ernte VALUES ('Chardonnay',7,1998,12,12);
 INSERT INTO ernte VALUES ('Shiraz',9,1995,7,40);
 INSERT INTO ernte VALUES ('Pannobile',6,1997,3,22);
 INSERT INTO ernte VALUES ('Welschriesling',6,1999,15,16); 90
 INSERT INTO ernte VALUES ('Olivin',9,1999,2,32);
 INSERT INTO ernte VALUES ('Blaufrnkisch Imperial',3,2001,15,10);
 INSERT INTO ernte VALUES ('Welschriesling',4,2001,10,24);
 INSERT INTO ernte VALUES ('Olivin',7,1997,15,16);
 INSERT INTO ernte VALUES ('Rochus',5,2001,18,15);
 INSERT INTO ernte VALUES ('Blauer Zweigelt',1,1998,11,24);
 INSERT INTO ernte VALUES ('Grner Veltliner',9,2001,2,43);
 INSERT INTO ernte VALUES ('Blauer Portugieser',2,1996,12,25);
 INSERT INTO ernte VALUES ('Zweigelt',1,2002,14,31);
 INSERT INTO ernte VALUES ('Blauer Zweigelt',2,1996,14,42); 100
 INSERT INTO ernte VALUES ('Shiraz',7,2000,17,20);
 INSERT INTO ernte VALUES ('Sauvignon blanc',6,1995,2,41);
 INSERT INTO ernte VALUES ('Uhdler',1,2000,18,46);
 INSERT INTO ernte VALUES ('Gelber Muskateller',5,2001,1,11);
 INSERT INTO ernte VALUES ('Gelber Muskateller',6,2002,3,39);
 INSERT INTO ernte VALUES ('Cuve de Merin',4,1996,13,33);
 INSERT INTO ernte VALUES ('Olivin',2,1995,14,12);
 INSERT INTO ernte VALUES ('Uhdler',9,2001,19,43);
 INSERT INTO ernte VALUES ('Sauvignon blanc',7,2001,18,29);
 INSERT INTO ernte VALUES ('Blaufrnkisch Imperial',9,1995,17,45); 110

INSERT INTO ernte VALUES ('Sauvignon blanc',9,1998,17,41);
 INSERT INTO ernte VALUES ('Sauvignon blanc',1,1997,7,39);
 INSERT INTO ernte VALUES ('Grner Veltliner',9,1995,3,27);
 INSERT INTO ernte VALUES ('Pannobile',5,2002,10,42);
 INSERT INTO ernte VALUES ('Pannobile',1,1995,2,25);
 INSERT INTO ernte VALUES ('Muskateller Classic',8,1995,11,24);
 INSERT INTO ernte VALUES ('Pannobile',3,2002,15,21);
 INSERT INTO ernte VALUES ('Olivin',6,2001,7,20);
 INSERT INTO ernte VALUES ('Rochus',1,1998,10,26);
 INSERT INTO ernte VALUES ('Muskateller Classic',4,1999,12,16); 120
 INSERT INTO ernte VALUES ('Cuve de Merin',1,1999,10,10);
 INSERT INTO ernte VALUES ('Chardonnay',7,1997,15,16);
 INSERT INTO ernte VALUES ('Zweigelt',9,2000,7,13);
 INSERT INTO ernte VALUES ('Olivin',5,1995,12,41);
 INSERT INTO ernte VALUES ('Shiraz',5,2000,14,37);
 INSERT INTO ernte VALUES ('Blaufnrnkisch Imperial',2,1999,15,11);
 INSERT INTO ernte VALUES ('Pannobile',7,1995,18,46);
 INSERT INTO ernte VALUES ('Grner Veltliner',2,2000,12,43);
 INSERT INTO ernte VALUES ('Rochus',4,2000,11,15);
 INSERT INTO ernte VALUES ('Pannobile',6,1999,11,48); 130
 INSERT INTO ernte VALUES ('Chardonnay',1,2002,1,10);
 INSERT INTO ernte VALUES ('Muskateller Classic',1,2002,1,10);
 INSERT INTO ernte VALUES ('Grner Veltliner',1,2002,1,10);
 INSERT INTO ernte VALUES ('Gelber Muskateller',1,2002,1,10);
 INSERT INTO ernte VALUES ('Sauvignon blanc',1,2002,1,10);
 INSERT INTO ernte VALUES ('Cuve de Merin',1,2002,1,10);
 INSERT INTO ernte VALUES ('Rochus',1,2002,1,10);
 INSERT INTO ernte VALUES ('Shiraz',1,2002,1,10);
 INSERT INTO ernte VALUES ('Blauer Zweigelt',1,2002,1,10);
 INSERT INTO ernte VALUES ('Olivin',1,2002,1,10); 140
 INSERT INTO ernte VALUES ('Pinot Noir',1,2002,1,10);
 INSERT INTO ernte VALUES ('Solitaire',1,2002,1,10);
 INSERT INTO ernte VALUES ('Pannobile',1,2002,1,10);
 INSERT INTO ernte VALUES ('Mephisto',1,2002,1,10);
 INSERT INTO ernte VALUES ('Uhudler',1,2002,1,10);
 INSERT INTO ernte VALUES ('Blauer Portugieser',1,2002,1,10);
 INSERT INTO ernte VALUES ('Blaufnrnkisch Imperial',1,2002,1,10);
 INSERT INTO ernte VALUES ('Rosso e Nero',1,2002,1,10);
 INSERT INTO kunde VALUES (1,'Dawid','Herbert-Reyl-G 1 6900 Bregenz',1715);
 INSERT INTO kunde VALUES (2,'Gocisaw','Mhlg 38 9020 Klagenfurt',5953); 150
 INSERT INTO kunde VALUES (3,'Unimir','Bischofpl. 2 8010 Graz',1455);
 INSERT INTO kunde VALUES (4,'Wojsawa','Eckelbacherg 16 3100 St. Plten ',1616);
 INSERT INTO kunde VALUES (5,'Tymon','Veithg 6 1030 Wien',3842);
 INSERT INTO kunde VALUES (6,'Gaspar','Sdtiroler Pl. 1 6900 Bregenz',4821);
 INSERT INTO kunde VALUES (7,'Kallina','Gumpendorfer Str. 87, 1060 Wien',5406);
 INSERT INTO kunde VALUES (8,'Januaria','Eckelbacherg 16 3100 St. Plten ',1902);
 INSERT INTO kunde VALUES (9,'Dzierysawa','Walddorf 8 9020 Klagenfurt',7713);
 INSERT INTO kunde VALUES (10,'Hiacynt','Blumenstr. 9/1 6900 Bregenz',2765);
 INSERT INTO kunde VALUES (11,'Arkady','Am Kaisermhlendam 1, 1220 Wien',6003);
 INSERT INTO kunde VALUES (12,'Raissa','Ramsauerstr. 3 9020 Klagenfurt',937); 160
 INSERT INTO kunde VALUES (13,'Salomea','Landsbergerstr. 26 3100 St. Plten',5172);
 INSERT INTO kunde VALUES (14,'Grzymisaw','Steinachstr. 16 6900 Bregenz',1221);
 INSERT INTO kunde VALUES (15,'Wincenty','Schweizertalstr. 25a 1130 Wien',8634);
 INSERT INTO kunde VALUES (16,'Erazm','Heitzlerg 4 3100 St. Plten',2240);
 INSERT INTO kunde VALUES (17,'Sdzimir','Dblinger Grtel 21-23 1190 Wien',705);
 INSERT INTO kunde VALUES (18,'Liwiusz','Reichenauerstr. 84/9/38 6020 Innsbruck',5785);
 INSERT INTO kunde VALUES (19,'Gilda','Jakoministr. 7a/2 8010 Graz',9852);
 INSERT INTO kunde VALUES (20,'Mieczysawa','Passauer Str. 63 3100 St. Plten',6124);
 INSERT INTO kunde VALUES (21,'Nosisaw','Ramsauerstr. 3 9020 Klagenfurt',8404);
 INSERT INTO kunde VALUES (22,'Przybysaw','Ramsauerstr. 3 9020 Klagenfurt',185); 170
 INSERT INTO kunde VALUES (23,'Telimena','Kaiserstr. 19 6900 Bregenz',4120);
 INSERT INTO kunde VALUES (24,'Jadwiga','Schweizertalstr. 25a 1130 Wien',3905);

INSERT INTO kunde VALUES (25,'Epifani','Rauholzstr. 27d 6900 Bregenz',411);
 INSERT INTO kunde VALUES (26,'Leonid','Otto Probst-Str. 3, Stg 4 1100 Wien',920);
 INSERT INTO kunde VALUES (27,'Beatryks','Am Kaisermhlendamm 1, 1220 Wien',4935);
 INSERT INTO kunde VALUES (28,'Juliusz','Achsiedlungsstr. 43 6900 Bregenz',7248);
 INSERT INTO kunde VALUES (29,'Artur','Reuteg 24/2 6900 Bregenz',783);
 INSERT INTO kunde VALUES (30,'Rufina','Eckelbacherg 16 3100 St. Plten ',9655);
 INSERT INTO bevorzugt VALUES (16,'Muskateller Classic');
 INSERT INTO bevorzugt VALUES (1,'Olivin'); 180
 INSERT INTO bevorzugt VALUES (10,'Grner Veltliner');
 INSERT INTO bevorzugt VALUES (2,'Sauvignon blanc');
 INSERT INTO bevorzugt VALUES (21,'Solitaire');
 INSERT INTO bevorzugt VALUES (19,'Chardonnay');
 INSERT INTO bevorzugt VALUES (6,'Pannobile');
 INSERT INTO bevorzugt VALUES (14,'Cuve de Merin');
 INSERT INTO bevorzugt VALUES (23,'Shiraz');
 INSERT INTO bevorzugt VALUES (11,'Blauer Portugieser');
 INSERT INTO bevorzugt VALUES (1,'Welschriesling');
 INSERT INTO bevorzugt VALUES (22,'Mephisto'); 190
 INSERT INTO bevorzugt VALUES (18,'Uhudler');
 INSERT INTO bevorzugt VALUES (17,'Sauvignon blanc');
 INSERT INTO bevorzugt VALUES (12,'Cuve de Merin');
 INSERT INTO bevorzugt VALUES (27,'Rochus');
 INSERT INTO bevorzugt VALUES (1,'Solitaire');
 INSERT INTO bevorzugt VALUES (27,'Chardonnay');
 INSERT INTO bevorzugt VALUES (25,'Blauer Portugieser');
 INSERT INTO bevorzugt VALUES (4,'Welschriesling');
 INSERT INTO bevorzugt VALUES (6,'Sauvignon blanc');
 INSERT INTO bevorzugt VALUES (13,'Blauer Portugieser'); 200
 INSERT INTO bevorzugt VALUES (25,'Chardonnay');
 INSERT INTO bevorzugt VALUES (1,'Blauer Portugieser');
 INSERT INTO bevorzugt VALUES (1,'Gelber Muskateller');
 INSERT INTO bevorzugt VALUES (12,'Shiraz');
 INSERT INTO bevorzugt VALUES (25,'Welschriesling');
 INSERT INTO bevorzugt VALUES (11,'Solitaire');
 INSERT INTO bevorzugt VALUES (18,'Gelber Muskateller');
 INSERT INTO bevorzugt VALUES (29,'Blauer Portugieser');
 INSERT INTO bevorzugt VALUES (17,'Muskateller Classic');
 INSERT INTO bevorzugt VALUES (16,'Zweigelt'); 210
 INSERT INTO bevorzugt VALUES (23,'Zweigelt');
 INSERT INTO bevorzugt VALUES (12,'Welschriesling');
 INSERT INTO bevorzugt VALUES (14,'Pinot Noir');
 INSERT INTO bevorzugt VALUES (19,'Sauvignon blanc');
 INSERT INTO bevorzugt VALUES (20,'Sauvignon blanc');
 INSERT INTO bevorzugt VALUES (7,'Grner Veltliner');
 INSERT INTO bevorzugt VALUES (13,'Zweigelt');
 INSERT INTO bevorzugt VALUES (28,'Olivin');
 INSERT INTO bevorzugt VALUES (3,'Chardonnay');
 INSERT INTO bevorzugt VALUES (8,'Gelber Muskateller'); 220
 INSERT INTO bevorzugt VALUES (10,'Blauer Zweigelt');
 INSERT INTO bevorzugt VALUES (29,'Rochus');
 INSERT INTO bevorzugt VALUES (9,'Rochus');
 INSERT INTO bevorzugt VALUES (26,'Muskateller Classic');
 INSERT INTO bevorzugt VALUES (23,'Muskateller Classic');
 INSERT INTO bevorzugt VALUES (17,'Mephisto');
 INSERT INTO bevorzugt VALUES (4,'Cuve de Merin');
 INSERT INTO bevorzugt VALUES (28,'Zweigelt');
 INSERT INTO bevorzugt VALUES (12,'Pannobile');
 INSERT INTO bevorzugt VALUES (26,'Pannobile'); 230
 INSERT INTO bevorzugt VALUES (25,'Blaufrnkisch Imperial');
 INSERT INTO bevorzugt VALUES (8,'Chardonnay');
 INSERT INTO bevorzugt VALUES (17,'Zweigelt');
 INSERT INTO bevorzugt VALUES (16,'Gelber Muskateller');

```

INSERT INTO bevorzugt VALUES (20,'Solitaire');
INSERT INTO bevorzugt VALUES (4,'Shiraz');
INSERT INTO bevorzugt VALUES (28,'Uhudler');
INSERT INTO bevorzugt VALUES (20,'Uhudler');
INSERT INTO bevorzugt VALUES (8,'Pannobile');
INSERT INTO bevorzugt VALUES (7,'Blauer Portugieser'); 240
INSERT INTO bevorzugt VALUES (29,'Uhudler');
INSERT INTO bevorzugt VALUES (6,'Welschriesling');
INSERT INTO bevorzugt VALUES (26,'Blauer Portugieser');
INSERT INTO bevorzugt VALUES (18,'Blauer Portugieser');
INSERT INTO bevorzugt VALUES (3,'Muskateller Classic');
INSERT INTO bevorzugt VALUES (6,'Chardonnay');
INSERT INTO bevorzugt VALUES (25,'Blauer Zweigelt');
INSERT INTO bevorzugt VALUES (24,'Pannobile');
INSERT INTO bevorzugt VALUES (8,'Blauer Portugieser');
INSERT INTO bevorzugt VALUES (15,'Solitaire'); 250
INSERT INTO bevorzugt VALUES (8,'Pinot Noir');
INSERT INTO bevorzugt VALUES (22,'Rochus');
INSERT INTO bevorzugt VALUES (24,'Gelber Muskateller');
INSERT INTO bevorzugt VALUES (4,'Grner Veltliner');
INSERT INTO bevorzugt VALUES (24,'Shiraz');
INSERT INTO bevorzugt VALUES (26,'Mephisto');
INSERT INTO bevorzugt VALUES (21,'Blauer Portugieser');
INSERT INTO bevorzugt VALUES (15,'Blauer Zweigelt');
INSERT INTO bevorzugt VALUES (12,'Uhudler');
INSERT INTO bevorzugt VALUES (12,'Solitaire'); 260
INSERT INTO bevorzugt VALUES (17,'Grner Veltliner');
INSERT INTO bevorzugt VALUES (12,'Blauer Portugieser');
INSERT INTO bevorzugt VALUES (10,'Zweigelt');
INSERT INTO bevorzugt VALUES (28,'Blaufnrnkisch Imperial');
INSERT INTO bevorzugt VALUES (12,'Mephisto');
INSERT INTO bevorzugt VALUES (7,'Rochus');
INSERT INTO bevorzugt VALUES (27,'Pannobile');
INSERT INTO bevorzugt VALUES (23,'Gelber Muskateller');
INSERT INTO bevorzugt VALUES (7,'Sauvignon blanc');
INSERT INTO bevorzugt VALUES (1,'Sauvignon blanc'); 270
INSERT INTO bevorzugt VALUES (7,'Zweigelt');
INSERT INTO bevorzugt VALUES (16,'Mephisto');
INSERT INTO bevorzugt VALUES (25,'Mephisto');
INSERT INTO bevorzugt VALUES (22,'Solitaire');
INSERT INTO bevorzugt VALUES (6,'Grner Veltliner');
INSERT INTO bevorzugt VALUES (3,'Pannobile');
INSERT INTO bevorzugt VALUES (28,'Mephisto');
INSERT INTO bevorzugt VALUES (28,'Chardonnay');
INSERT INTO bestellung VALUES (28,to_date('2000-10-10','yyyy-mm-dd'),2819,'Pinot Noir',1,1997,8);
INSERT INTO bestellung VALUES (23,to_date('2002-09-18','yyyy-mm-dd'),3295,'Muskateller Classic',4,1999,1); 280
INSERT INTO bestellung VALUES (15,to_date('2002-07-08','yyyy-mm-dd'),5733,'Grner Veltliner',9,2001,1);
INSERT INTO bestellung VALUES (4,to_date('2001-08-17','yyyy-mm-dd'),5382,'Cuve de Merin',1,1999,9);
INSERT INTO bestellung VALUES (10,to_date('2000-11-22','yyyy-mm-dd'),847,'Pannobile',3,2002,1);
INSERT INTO bestellung VALUES (28,to_date('2002-01-08','yyyy-mm-dd'),5738,'Shiraz',8,1998,6);
INSERT INTO bestellung VALUES (28,to_date('2002-09-29','yyyy-mm-dd'),1195,'Solitaire',6,1999,6);
INSERT INTO bestellung VALUES (27,to_date('2000-11-21','yyyy-mm-dd'),6205,'Shiraz',8,1998,4);
INSERT INTO bestellung VALUES (24,to_date('2000-04-27','yyyy-mm-dd'),107,'Rochus',3,1997,4);
INSERT INTO bestellung VALUES (23,to_date('2001-07-24','yyyy-mm-dd'),53,'Pannobile',5,2002,3);
INSERT INTO bestellung VALUES (18,to_date('1999-04-17','yyyy-mm-dd'),3,'Olivin',6,2001,8);
INSERT INTO bestellung VALUES (9,to_date('1999-01-04','yyyy-mm-dd'),743,'Pannobile',7,1995,9); 290
INSERT INTO bestellung VALUES (24,to_date('2002-02-18','yyyy-mm-dd'),8101,'Welschriesling',1,2002,4);
INSERT INTO bestellung VALUES (24,to_date('2003-02-06','yyyy-mm-dd'),5211,'Rochus',1,1998,7);
INSERT INTO bestellung VALUES (9,to_date('1999-02-27','yyyy-mm-dd'),9612,'Uhudler',9,2001,8);
INSERT INTO bestellung VALUES (4,to_date('1999-03-29','yyyy-mm-dd'),901,'Pannobile',6,1999,8);
INSERT INTO bestellung VALUES (19,to_date('1999-08-17','yyyy-mm-dd'),8910,'Mephisto',9,1996,1);
INSERT INTO bestellung VALUES (2,to_date('2003-02-16','yyyy-mm-dd'),4599,'Uhudler',1,2000,7);

```

INSERT INTO bestellung VALUES (5,to_date('2002-08-07','yyyy-mm-dd'),1555,'Olivin',7,1997,8);
 INSERT INTO bestellung VALUES (1,to_date('2003-04-16','yyyy-mm-dd'),1991,'Pinot Noir',1,1997,3);
 INSERT INTO bestellung VALUES (4,to_date('2001-10-18','yyyy-mm-dd'),131,'Pannobile',6,1997,3);
 INSERT INTO bestellung VALUES (14,to_date('2002-03-08','yyyy-mm-dd'),4699,'Olivin',2,1995,2); 300
 INSERT INTO bestellung VALUES (15,to_date('2001-06-09','yyyy-mm-dd'),3848,'Olivin',5,1995,9);
 INSERT INTO bestellung VALUES (18,to_date('2000-07-26','yyyy-mm-dd'),4068,'Olivin',2,2001,2);
 INSERT INTO bestellung VALUES (4,to_date('2001-12-04','yyyy-mm-dd'),2888,'Olivin',2,2001,5);
 INSERT INTO bestellung VALUES (20,to_date('2000-06-04','yyyy-mm-dd'),3457,'Shiraz',5,2000,6);
 INSERT INTO bestellung VALUES (28,to_date('1999-12-09','yyyy-mm-dd'),7269,'Pannobile',6,1998,4);
 INSERT INTO bestellung VALUES (18,to_date('2001-07-17','yyyy-mm-dd'),3036,'Grner Veltliner',2,2000,7);
 INSERT INTO bestellung VALUES (13,to_date('2001-02-12','yyyy-mm-dd'),4234,'Rochus',1,1998,4);
 INSERT INTO bestellung VALUES (17,to_date('2002-06-03','yyyy-mm-dd'),9108,'Shiraz',7,2000,9);
 INSERT INTO bestellung VALUES (25,to_date('2003-05-30','yyyy-mm-dd'),4432,'Pannobile',6,1999,6);
 INSERT INTO bestellung VALUES (8,to_date('1999-12-01','yyyy-mm-dd'),9351,'Pinot Noir',2,1997,9); 310
 INSERT INTO bestellung VALUES (4,to_date('2001-12-19','yyyy-mm-dd'),6806,'Uhudler',1,2000,2);
 INSERT INTO bestellung VALUES (4,to_date('1999-10-12','yyyy-mm-dd'),7036,'Shiraz',7,2000,6);
 INSERT INTO bestellung VALUES (16,to_date('2002-01-06','yyyy-mm-dd'),8043,'Shiraz',8,1995,8);
 INSERT INTO bestellung VALUES (4,to_date('2003-01-24','yyyy-mm-dd'),369,'Blauer Zweigelt',2,1996,2);
 INSERT INTO bestellung VALUES (25,to_date('1999-07-16','yyyy-mm-dd'),7784,'Chardonnay',7,1998,7);
 INSERT INTO bestellung VALUES (17,to_date('1999-07-22','yyyy-mm-dd'),5998,'Pinot Noir',1,1997,2);
 INSERT INTO bestellung VALUES (26,to_date('1999-08-30','yyyy-mm-dd'),2927,'Grner Veltliner',1,1997,1);
 INSERT INTO bestellung VALUES (18,to_date('2000-02-07','yyyy-mm-dd'),309,'Muskateller Classic',8,1995,2);
 INSERT INTO bestellung VALUES (8,to_date('2001-05-31','yyyy-mm-dd'),6742,'Cuve de Merin',1,1999,9);
 INSERT INTO bestellung VALUES (28,to_date('1999-11-29','yyyy-mm-dd'),9921,'Chardonnay',4,2001,1); 320
 INSERT INTO bestellung VALUES (18,to_date('2001-03-10','yyyy-mm-dd'),4571,'Pannobile',9,2000,2);
 INSERT INTO bestellung VALUES (23,to_date('2001-06-23','yyyy-mm-dd'),3671,'Pannobile',9,2000,9);
 INSERT INTO bestellung VALUES (18,to_date('2001-12-17','yyyy-mm-dd'),1422,'Pinot Noir',1,1997,4);
 INSERT INTO bestellung VALUES (12,to_date('2003-01-30','yyyy-mm-dd'),3157,'Solitaire',1,1999,8);
 INSERT INTO bestellung VALUES (9,to_date('2003-01-01','yyyy-mm-dd'),8053,'Solitaire',1,1999,8);
 INSERT INTO bestellung VALUES (26,to_date('2002-08-03','yyyy-mm-dd'),5839,'Grner Veltliner',1,1997,8);
 INSERT INTO bestellung VALUES (13,to_date('1999-09-15','yyyy-mm-dd'),7161,'Chardonnay',4,2001,5);
 INSERT INTO bestellung VALUES (15,to_date('2000-03-05','yyyy-mm-dd'),9989,'Grner Veltliner',2,2000,6);
 INSERT INTO bestellung VALUES (28,to_date('2001-04-07','yyyy-mm-dd'),9660,'Solitaire',1,2000,2);
 INSERT INTO bestellung VALUES (10,to_date('2001-07-05','yyyy-mm-dd'),8298,'Shiraz',2,1995,9); 330
 INSERT INTO bestellung VALUES (5,to_date('2002-08-03','yyyy-mm-dd'),1542,'Blauer Portugieser',2,1996,2);
 INSERT INTO bestellung VALUES (14,to_date('2000-07-08','yyyy-mm-dd'),7654,'Muskateller Classic',8,1995,3);
 INSERT INTO bestellung VALUES (11,to_date('2000-02-19','yyyy-mm-dd'),2335,'Blauer Portugieser',6,1997,7);
 INSERT INTO bestellung VALUES (17,to_date('1999-02-06','yyyy-mm-dd'),1977,'Muskateller Classic',9,1999,3);
 INSERT INTO bestellung VALUES (28,to_date('1999-08-02','yyyy-mm-dd'),5914,'Uhudler',8,1998,9);
 INSERT INTO bestellung VALUES (20,to_date('2001-12-18','yyyy-mm-dd'),7380,'Shiraz',8,1995,3);
 INSERT INTO bestellung VALUES (14,to_date('2000-03-13','yyyy-mm-dd'),6435,'Solitaire',2,1998,4);
 INSERT INTO bestellung VALUES (21,to_date('2003-03-01','yyyy-mm-dd'),2601,'Welschriesling',1,2002,7);
 INSERT INTO bestellung VALUES (11,to_date('2002-03-17','yyyy-mm-dd'),3634,'Cuve de Merin',8,1998,4);
 INSERT INTO bestellung VALUES (23,to_date('2000-10-16','yyyy-mm-dd'),1349,'Shiraz',7,2000,4); 340
 INSERT INTO bestellung VALUES (4,to_date('1999-04-10','yyyy-mm-dd'),107,'Olivin',2,1995,8);
 INSERT INTO bestellung VALUES (3,to_date('2002-09-26','yyyy-mm-dd'),8030,'Muskateller Classic',8,2000,6);
 INSERT INTO bestellung VALUES (14,to_date('2002-08-25','yyyy-mm-dd'),4010,'Blauer Zweigelt',2,1996,3);
 INSERT INTO bestellung VALUES (6,to_date('1999-12-21','yyyy-mm-dd'),3378,'Grner Veltliner',9,2001,5);
 INSERT INTO bestellung VALUES (24,to_date('1999-03-04','yyyy-mm-dd'),4995,'Shiraz',2,1995,4);
 INSERT INTO bestellung VALUES (29,to_date('2000-12-18','yyyy-mm-dd'),471,'Pannobile',6,1997,4);
 INSERT INTO bestellung VALUES (26,to_date('2000-10-12','yyyy-mm-dd'),4389,'Rochus',5,2001,4);
 INSERT INTO bestellung VALUES (20,to_date('2000-01-26','yyyy-mm-dd'),2297,'Blaufnrnkisch Imperial',4,1995,3);
 INSERT INTO bestellung VALUES (10,to_date('2000-03-26','yyyy-mm-dd'),1275,'Shiraz',5,2000,6);
 INSERT INTO bestellung VALUES (16,to_date('2000-02-21','yyyy-mm-dd'),5898,'Pannobile',7,1995,2); 350
 INSERT INTO bestellung VALUES (5,to_date('2003-06-04','yyyy-mm-dd'),1605,'Rochus',5,2001,9);
 INSERT INTO bestellung VALUES (22,to_date('2001-06-06','yyyy-mm-dd'),4236,'Solitaire',1,1999,8);
 INSERT INTO bestellung VALUES (13,to_date('1999-01-20','yyyy-mm-dd'),4223,'Pinot Noir',1,1997,9);
 INSERT INTO bestellung VALUES (7,to_date('2003-05-12','yyyy-mm-dd'),9898,'Cuve de Merin',1,1999,5);
 INSERT INTO bestellung VALUES (7,to_date('2002-07-22','yyyy-mm-dd'),4669,'Olivin',2,2001,3);
 INSERT INTO bestellung VALUES (10,to_date('2002-04-14','yyyy-mm-dd'),6162,'Cuve de Merin',6,2001,3);
 INSERT INTO bestellung VALUES (15,to_date('2001-05-26','yyyy-mm-dd'),2190,'Welschriesling',6,2001,5);
 INSERT INTO bestellung VALUES (16,to_date('1999-05-18','yyyy-mm-dd'),9280,'Grner Veltliner',9,1995,9);

```

INSERT INTO bestellung VALUES (5,to_date('2000-06-03','yyyy-mm-dd'),9021,'Blauer Portugieser',1,2001,1);
INSERT INTO bestellung VALUES (23,to_date('2003-01-10','yyyy-mm-dd'),6916,'Pannobile',6,1999,3); 360
INSERT INTO bestellung VALUES (14,to_date('2000-09-16','yyyy-mm-dd'),4407,'Pannobile',2,2002,3);
INSERT INTO bestellung VALUES (20,to_date('2000-04-19','yyyy-mm-dd'),4058,'Pannobile',2,2002,1);
INSERT INTO bestellung VALUES (21,to_date('1999-03-05','yyyy-mm-dd'),9686,'Grner Veltliner',1,1997,1);
INSERT INTO bestellung VALUES (24,to_date('1999-06-27','yyyy-mm-dd'),8908,'Solitaire',1,1999,3);
INSERT INTO bestellung VALUES (9,to_date('2002-03-02','yyyy-mm-dd'),8031,'Uhudler',9,2001,7);
INSERT INTO bestellung VALUES (23,to_date('1999-03-19','yyyy-mm-dd'),1710,'Cuve de Merin',6,2001,6);
INSERT INTO bestellung VALUES (20,to_date('2001-05-27','yyyy-mm-dd'),6909,'Blauer Portugieser',2,2000,6);
INSERT INTO bestellung VALUES (25,to_date('1999-12-05','yyyy-mm-dd'),2813,'Shiraz',7,2000,5);
INSERT INTO bestellung VALUES (22,to_date('2002-08-31','yyyy-mm-dd'),1194,'Muskateller Classic',4,2002,4);
INSERT INTO bestellung VALUES (14,to_date('2001-06-02','yyyy-mm-dd'),6112,'Uhudler',5,2002,6); 370
INSERT INTO bestellung VALUES (12,to_date('1999-05-14','yyyy-mm-dd'),6480,'Shiraz',2,1998,8);
INSERT INTO bestellung VALUES (4,to_date('2000-06-25','yyyy-mm-dd'),6839,'Blauer Portugieser',2,1996,5);
INSERT INTO bestellung VALUES (20,to_date('2000-01-29','yyyy-mm-dd'),6773,'Blauer Zweigelt',5,1999,2);
INSERT INTO bestellung VALUES (5,to_date('2003-01-25','yyyy-mm-dd'),9168,'Uhudler',8,2000,9);
INSERT INTO bestellung VALUES (5,to_date('2003-05-17','yyyy-mm-dd'),3094,'Muskateller Classic',9,1999,1);
INSERT INTO bestellung VALUES (8,to_date('1999-11-29','yyyy-mm-dd'),7378,'Welschriesling',6,1999,4);
INSERT INTO bestellung VALUES (22,to_date('2001-06-25','yyyy-mm-dd'),58,'Gelber Muskateller',5,1997,6);
INSERT INTO bestellung VALUES (8,to_date('1999-08-11','yyyy-mm-dd'),2501,'Olivin',5,1995,1);
INSERT INTO bestellung VALUES (10,to_date('1999-08-11','yyyy-mm-dd'),2503,'Olivin',5,1995,132);

```
