T.C.
ONDOKUZ MAYIS ÜNİVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ
BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

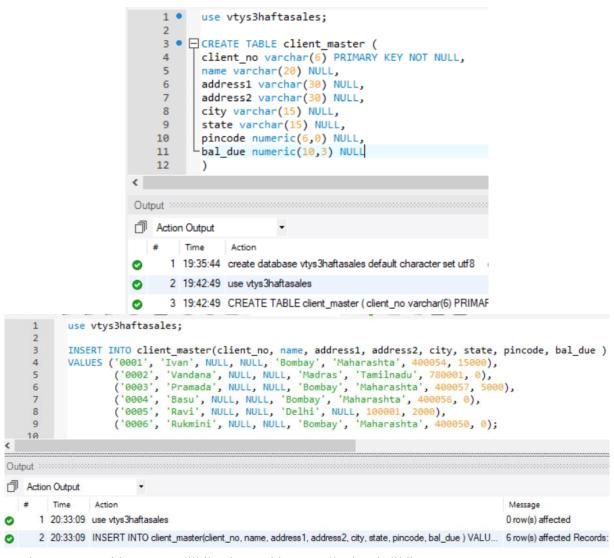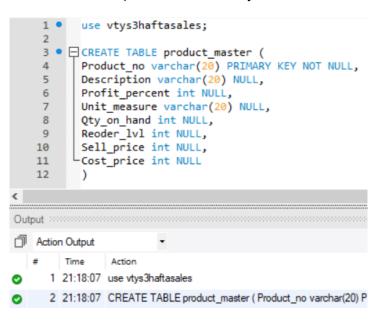**Veri Tabanı Yönetimi Laboratuvarı**

Föy 3

15060007 Kübra Nur Saruhan

Vtys3haftaSales adında veri tabanı oluşturuldu.
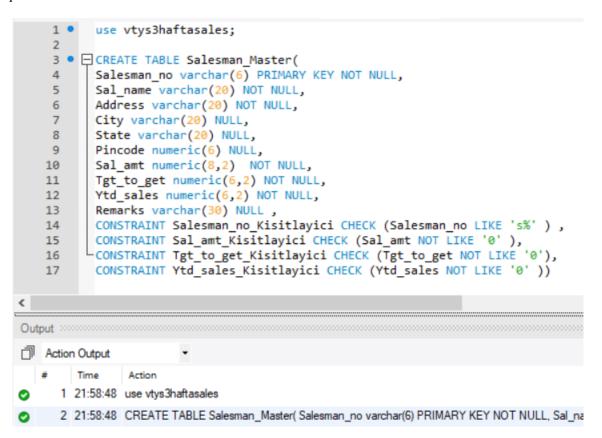Client_master tablosu DDL dili ile oluşturularak veriler kaydedildi.

```
1 •   use vtys3haftasales;
2
3 • ⊟ CREATE TABLE client_master (
4      client_no varchar(6) PRIMARY KEY NOT NULL,
5      name varchar(20) NULL,
6      address1 varchar(30) NULL,
7      address2 varchar(30) NULL,
8      city varchar(15) NULL,
9      state varchar(15) NULL,
10     pincode numeric(6,0) NULL,
11    └ bal_due numeric(10,3) NULL
12     )
```

Output

Action Output

#	Time	Action
✓	1 19:35:44	create database vtys3haftasales default character set utf8
✓	2 19:42:49	use vtys3haftasales
✓	3 19:42:49	CREATE TABLE client_master (client_no varchar(6) PRIMAR

```
1     use vtys3haftasales;
2
3     INSERT INTO client_master(client_no, name, address1, address2, city, state, pincode, bal_due )
4     VALUES ('0001', 'Ivan', NULL, NULL, 'Bombay', 'Maharashta', 400054, 15000),
5            ('0002', 'Vandana', NULL, NULL, 'Madras', 'Tamilnadu', 780001, 0),
6            ('0003', 'Pramada', NULL, NULL, 'Bombay', 'Maharashta', 400057, 5000),
7            ('0004', 'Basu', NULL, NULL, 'Bombay', 'Maharashta', 400056, 0),
8            ('0005', 'Ravi', NULL, NULL, 'Delhi', NULL, 100001, 2000),
9            ('0006', 'Rukmini', NULL, NULL, 'Bombay', 'Maharashta', 400050, 0);
10
```

Output

Action Output

#	Time	Action	Message
✓	1 20:33:09	use vtys3haftasales	0 row(s) affected
✓	2 20:33:09	INSERT INTO client_master(client_no, name, address1, address2, city, state, pincode, bal_due) VALU...	6 row(s) affected Records:

Product_master tablosu DDL dili ile oluşturuldu ve veriler kaydedildi

```
1 •   use vtys3haftasales;
2
3 • ⊟ CREATE TABLE product_master (
4      Product_no varchar(20) PRIMARY KEY NOT NULL,
5      Description varchar(20) NULL,
6      Profit_percent int NULL,
7      Unit_measure varchar(20) NULL,
8      Qty_on_hand int NULL,
9      Reoder_lvl int NULL,
10     Sell_price int NULL,
11    └ Cost_price int NULL
12     )
```

Output

Action Output

#	Time	Action
✓	1 21:18:07	use vtys3haftasales
✓	2 21:18:07	CREATE TABLE product_master (Product_no varchar(20) P

```
1 •      use vtys3haftasales;
2
3 • ⊟INSERT INTO product_master(Product_no, Description, Profit_percent,
4    └          Unit_measure, Qty_on_hand, Reoder_lvl, Sell_price,Cost_price)
5      VALUES ('P00001', '1.44floppies', 5, 'piece', 100, 20, 525, 500),
6             ('P03453', 'Monitors', 6, 'piece', 10, 3, 12000, 11200),
7             ('P06734', 'Mouse', 5, 'piece', 20, 5, 1050, 500),
8             ('P07865', '1,22floppies', 5, 'piece', 100, 20, 525, 500),
9             ('P07868', 'Keyboards', 2, 'piece', 10, 3, 3150, 3050),
10            ('P07885', 'CD Drive', 2.5, 'price', 10, 3, 5250, 5100),
11            ('P07965', '540 HDD', 4, 'price', 10, 3, 8400, 8000),
12            ('P07975', '1.44 Drive', 5, 'piece', 10, 3, 1050, 1000),
13            ('P08865', '1.22 Drive', 5, 'piece', 2, 3, 1050, 1000);
```

Output

Action Output ▾

#	Time	Action	Message
✓	1 21:16:38	use vtys3haftasales	0 row(s) a
✓	2 21:16:38	INSERT INTO product_master(Product_no, Description, Profit_percent, Unit_measure, Qty_on_hand, ...	9 row(s) a

Salesman_master tablosu DDL ile oluşturuldu ve veriler kaydedildi. Check ile belirtilen kontroller yapıldı.

```
1 •      use vtys3haftasales;
2
3 • ⊟CREATE TABLE Salesman_Master(
4      Salesman_no varchar(6) PRIMARY KEY NOT NULL,
5      Sal_name varchar(20) NOT NULL,
6      Address varchar(20) NOT NULL,
7      City varchar(20) NULL,
8      State varchar(20) NULL,
9      Pincode numeric(6) NULL,
10     Sal_amt numeric(8,2)  NOT NULL,
11     Tgt_to_get numeric(6,2) NOT NULL,
12     Ytd_sales numeric(6,2) NOT NULL,
13     Remarks varchar(30) NULL ,
14     CONSTRAINT Salesman_no_Kisitlayici CHECK (Salesman_no LIKE 's%' ) ,
15     CONSTRAINT Sal_amt_Kisitlayici CHECK (Sal_amt NOT LIKE '0' ),
16    └CONSTRAINT Tgt_to_get_Kisitlayici CHECK (Tgt_to_get NOT LIKE '0'),
17     CONSTRAINT Ytd_sales_Kisitlayici CHECK (Ytd_sales NOT LIKE '0' ))
```

Output

Action Output ▾

#	Time	Action
✓	1 21:58:48	use vtys3haftasales
✓	2 21:58:48	CREATE TABLE Salesman_Master(Salesman_no varchar(6) PRIMARY KEY NOT NULL, Sal_na

```
 1 •     use vtys3haftasales;
 2
 3 •  ⊟ INSERT INTO Salesman_Master(Salesman_no, Sal_name, Address, City,
 4   └             State, Pincode, Sal_amt, Tgt_to_get, Ytd_sales, Remarks)
 5      VALUES('500001', 'Kiran', 'A/14 worli', 'Bombay', 'Mah', 400002, 3000, 100, 50, 'Goo'),
 6            ('500002', 'Manish', '65,nariman', 'Bombay', 'Mah', 400001, 3000, 200, 100, 'Goo'),
 7            ('500003', 'Ravi', 'P-7Bandra', 'Bombay', 'Mah', 400032, 3000, 200, 100, 'Goo'),
 8            ('500004', 'Ashish', 'A/5 Juhu', 'Bombay', 'Mah', 400044, 3500, 200, 150, 'Goo');
```

Output

Action Output

#	Time	Action	Message
✓	1 22:41:58	use vtys3haftasales	0 row(s) affected
✓	2 22:41:58	INSERT INTO Salesman_Master(Salesman_no, Sal_name, Address, City, State, Pincode, Sal_amt, Tgt...	4 row(s) affected Records:

Sales_Order tablosu DDL ile oluşturuldu ve veriler kaydedildi.

```
 1 •     use vtys3haftasales;
 2
 3   ⊟ CREATE TABLE Sales_Order (
 4         S_order_no VARCHAR(6) PRIMARY KEY NOT NULL CHECK (S_order_no LIKE '0%'),
 5         S_order_date DATE,
 6         client_no VARCHAR(25) NOT NULL,
 7         FOREIGN KEY (client_no) REFERENCES client_master (client_no),
 8         Dely_add VARCHAR(6) NULL ,
 9         Salesman_no VARCHAR(6) NOT NULL,
10         FOREIGN KEY (Salesman_no) REFERENCES Salesman_Master (Salesman_no),
11         Dely_type CHAR(1) DEFAULT 'F' CHECK (Dely_type IN ('p', 'f')),
12         Billed_yn CHAR(1) NULL,
13         Dely_date DATE CHECK (Dely_date>=S_order_date),
14         Order_status VARCHAR(10) CHECK (Order_status IN('in process', 'fullfilled', 'back order', 'canceled'))
15   └ )
```

Output

Action Output

#	Time	Action	Message
✓	1 23:23:14	use vtys3haftasales	0 row(s) affected
✓	2 23:23:14	CREATE TABLE Sales_Order (S_order_no VARCHAR(6) PRIMARY KEY NOT NULL CHECK (S_or...	0 row(s) affected

```
 1 •     use vtys3haftasales;
 2
 3 •  ⊟ INSERT INTO Sales_Order (S_order_no, S_order_date, client_no, Dely_add, Salesman_no,
 4   └             Dely_type, Billed_yn, Dely_date, Order_status
 5   └ )
 6      VALUES('019001', '1996-01-12', '0001', NULL, '500001', 'F', 'N', '1996-01-20', 'Ip'),
 7            ('019002', '1996-01-25', '0002', NULL, '500002', 'P', 'N', '1996-01-27', 'C'),
 8            ('046865', '1996-02-18', '0003', NULL, '500003', 'F', 'Y', '1996-02-20', 'F'),
 9            ('019003', '1996-04-03', '0001', NULL, '500001', 'F', 'Y', '1996-04-07', 'F'),
10            ('046866', '1996-05-20', '0004', NULL, '500002', 'P', 'N', '1996-05-22', 'C'),
11            ('010008', '1996-05-24', '0005', NULL, '500004', 'F', 'N', '1996-05-26', 'Ip')
12
```

Output

Action Output

#	Time	Action	Message
✓	1 19:42:49	use vtys3haftasales	0 row(s) affected
✓	2 19:42:49	INSERT INTO Sales_Order (S_order_no, S_order_date, client_no, Dely_add, Salesman_no, Dely_type,...	6 row(s) affected R

Sales_Order_Details tablosu DDL ile oluşturuldu ve veriler kaydedildi.

```
1 •   use vtys3haftasales;
2
3 • ⊟ CREATE TABLE Sales_Order_Details (
4         S_order_no VARCHAR(6) NOT NULL ,
5         Product_no VARCHAR(6) NOT NULL ,
6         Qty_order numeric(8) NULL,
7         Qty_disp numeric(8) NULL,
8         Product_rate numeric(10,2) NULL,
9         FOREIGN KEY (S_order_no) REFERENCES sales_order(S_order_no),
10        FOREIGN KEY (Product_no) REFERENCES product_master(Product_no)
11    )
```

Output

Action Output ▾

#	Time	Action	Message
✓	1 19:57:58	use vtys3haftasales	0 row(s) affected
✓	2 19:57:58	CREATE TABLE Sales_Order_Details (S_order_...	0 row(s) affected

```
1 •   use vtys3haftasales;
2
3 • ⊟ INSERT INTO Sales_Order_Details (S_order_no, Product_no,
4                             Qty_order, Qty_disp, Product_rate
5    )VALUES('019001', 'P00001', 4, 4, 525),
6             ('019001', 'P07965', 2, 1, 8400),
7             ('019001', 'P07885', 2, 1, 5250),
8             ('019002', 'P00001', 10, 0, 525),
9             ('046865', 'P07868', 3, 3, 3150),
10            ('046865', 'P07885', 10, 10, 5250),
11            ('019003', 'P00001', 4, 4, 1050),
12            ('019003', 'P03453', 2, 2, 1050),
13            ('046866', 'P06734', 1, 1, 12000),
14            ('046866', 'P07965', 1, 0, 8400),
15            ('010008', 'P07975', 1, 0, 1050),
16            ('010008', 'P00001', 10, 5, 525)
```
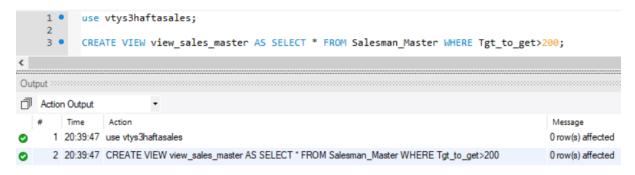
Output

Action Output ▾

#	Time	Action
✓	1 20:21:24	use vtys3haftasales
✓	2 20:21:24	INSERT INTO Sales_Order_Details (S_order_no, Product_no, Qty_order, Qty_c...

1. salesman_master tablosundan tgt_to_get değeri 200 den büyük olanlar için bir view_sales_master adında view oluşturduk.

```
1 •   use vtys3haftasales;
2
3 •   CREATE VIEW view_sales_master AS SELECT * FROM Salesman_Master WHERE Tgt_to_get>200;
```

Output

Action Output ▾

#	Time	Action	Message
✓	1 20:39:47	use vtys3haftasales	0 row(s) affected
✓	2 20:39:47	CREATE VIEW view_sales_master AS SELECT * FROM Salesman_Master WHERE Tgt_to_get>200	0 row(s) affected

2. product_master tablosundan product_view isminde bir view oluşturduk.Soruda belirtilen şeklinde isimler değiştirildi.

```
1   use vtys3haftasales;
2
3   CREATE VIEW product_view(pro_no, descr, profit, Unit_measure, qty) AS
4       SELECT
5           Product_no, Description, Profit_percent, Unit_measure, Qty_on_hand
6       FROM
7           Product_Master;
```

Output

Action Output

#	Time	Action
✓	1 21:50:58	use vtys3haftasales
✓	2 21:50:58	CREATE VIEW product_view(pro_no, descr, profit, Unit_measure, qty) AS SELECT Product_no,

3. product_view'dan Qty_on_hand değeri '10' olan product isimlerini Where sorgusuyla çektik.

```
1   use vtys3haftasales;
2
3   SELECT * FROM product_view WHERE qty=10
```

Result Grid   Filter Rows: Export: Wrap

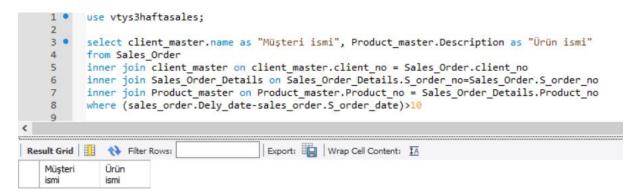|	pro_no	descr	profit	Unit_measure	qty
▶	P03453	Monitors	6	piece	10
	P07868	Keyboards	2	piece	10
	P07885	CD Drive	3	price	10
	P07965	540 HDD	4	price	10
	P07975	1.44 Drive	5	piece	10

4. Sipariş tarihi 10 gün geçen siparişleri müşteri isimleri ve ürün isimleri olarak listeleyen sql sorgusu için inner join ile tablolar birleştirildi. Where ile 10 gün geçen siparişler çekildi.

```
1   use vtys3haftasales;
2
3   select client_master.name as "Müşteri ismi", Product_master.Description as "Ürün ismi"
4   from Sales_Order
5   inner join client_master on client_master.client_no = Sales_Order.client_no
6   inner join Sales_Order_Details on Sales_Order_Details.S_order_no=Sales_Order.S_order_no
7   inner join Product_master on Product_master.Product_no = Sales_Order_Details.Product_no
8   where (sales_order.Dely_date-sales_order.S_order_date)>10
9
```

Result Grid   Filter Rows: Export: Wrap Cell Content:

Müşteri ismi	Ürün ismi

5. sales_order tablosundan current_date ile sistemin saatinde olan siparişler için sipariş_view adında view oluşturduk.

```
1 •  use vtys3haftasales;
2
3 •  CREATE VIEW siparis_view AS SELECT * FROM Sales_Order WHERE S_order_date = CURRENT_DATE();
```

#	Time	Action	Message
1	23:00:41	use vtys3haftasales	0 row(s) affected
2	23:00:41	CREATE VIEW siparis_view AS SELECT * FROM Sales_Order WHERE S_order_date = CURRENT_DATE()	0 row(s) affected