

1) Find out the names of all the clients.

```
SQL> select name from client_master;

NAME
-----
Ivan Bayross
Vandana Saitwal
Pramada Jaguste
Basu Navindgi
Ravi Sreedharan
Rukmini

6 rows selected.
```

2) Retrieve the entire contents of the Client\_master table.

```
SQL> SELECT *
  2  FROM Client_master;

CLIENT NAME      ADDRESS1      ADDRESS2      CITY      PINCODE STATE      BAL_DUE
-----
C00001 Ivan Bayross      Bombay      400054 Maharashtra      15000
C00002 Vandana Saitwal      Madras      780001 Tamil Nadu      0
C00003 Pramada Jaguste      Bombay      400057 Maharashtra      5000
C00004 Basu Navindgi      Bombay      400056 Maharashtra      0
C00005 Ravi Sreedharan      Delhi      110001 Delhi      2000
C00006 Rukmini      Bombay      400050 Maharashtra      0

6 rows selected.
```

3) Retrieve the list of names and the cities of all the clients.

```
SQL> select name,city
  2  from client_master;
```

| NAME            | CITY   |
|-----------------|--------|
| Ivan Bayross    | Bombay |
| Vandana Saitwal | Madras |
| Pramada Jaguste | Bombay |
| Basu Navindgi   | Bombay |
| Ravi Sreedharan | Delhi  |
| Rukmini         | Bombay |

6 rows selected.

4) List the various products available from the Product\_master table.

```
SQL> select description as name
  2  from product_master;
```

| NAME          |
|---------------|
| 1.44 Floppies |
| Monitors      |
| Mouse         |
| 1.22 Floppies |
| Keyboards     |
| CD Drive      |
| 540 HDD       |
| 1.44 Drive    |
| 1.22 Drive    |

9 rows selected.

5) List all the clients who are located in Bombay.

```
SQL> select name  
      2  from client_master  
      3  where city='Bombay';
```

NAME

-----

Ivan Bayross  
Pramada Jaguste  
Basu Navindgi  
Rukmini

6) Find out names of the salesman who have salary equal to Rs. 3000.

```
SQL> SELECT salesman_name  
      2  FROM salesman_master  
      3  WHERE sal_amt=3000;
```

SALESMAN\_NAME

-----

Kiran  
Manish  
Ravi

7) Change the city of Client\_no 'C00001' to 'Mumbai'.

```
SQL> UPDATE Client_master
  2 SET city = 'Mumbai'
  3 WHERE client_no = 'C00001';
```

1 row updated.

```
SQL> select * from client_master;
```

| CLIENT NAME            | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE |
|------------------------|----------|----------|--------|---------|-------------|---------|
| C00001 Ivan Bayross    |          |          | Mumbai | 400054  | Maharashtra | 15000   |
| C00002 Vandana Saitwal |          |          | Madras | 780001  | Tamil Nadu  | 0       |
| C00003 Pramada Jaguste |          |          | Bombay | 400057  | Maharashtra | 5000    |
| C00004 Basu Navindgi   |          |          | Bombay | 400056  | Maharashtra | 0       |
| C00005 Ravi Sreedharan |          |          | Delhi  | 110001  | Delhi       | 2000    |
| C00006 Rukmini         |          |          | Bombay | 400050  | Maharashtra | 0       |

8) Change the bal\_due of Client\_no 'C00001' to Rs. 1000.

```
SQL> UPDATE Client_master
  2 SET bal_due = 1000
  3 WHERE client_no = 'C00001';
```

1 row updated.

```
SQL> select * from client_master;
```

| CLIENT NAME            | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE |
|------------------------|----------|----------|--------|---------|-------------|---------|
| C00001 Ivan Bayross    |          |          | Mumbai | 400054  | Maharashtra | 1000    |
| C00002 Vandana Saitwal |          |          | Madras | 780001  | Tamil Nadu  | 0       |
| C00003 Pramada Jaguste |          |          | Bombay | 400057  | Maharashtra | 5000    |
| C00004 Basu Navindgi   |          |          | Bombay | 400056  | Maharashtra | 0       |
| C00005 Ravi Sreedharan |          |          | Delhi  | 110001  | Delhi       | 2000    |
| C00006 Rukmini         |          |          | Bombay | 400050  | Maharashtra | 0       |

6 rows selected.

9) Change the cost price of '1.22 Floppies' to Rs. 950.

```

QL> update product_master
2 set cost_price=950
3 where description='1.22 Floppies';

row updated.

QL> select * from product_master;

```

| PRODUC | DESCRIPTION   | PROFIT_PERCENT | UNIT_MEASU | QTY_ON_HAND | REORDER_LVL | SELL_PRICE | COST_PRICE |
|--------|---------------|----------------|------------|-------------|-------------|------------|------------|
| 00001  | 1.44 Floppies |                | 5 Piece    | 100         | 20          | 525        | 500        |
| 03453  | Monitors      |                | 6 Piece    | 10          | 3           | 12000      | 11280      |
| 06734  | Mouse         |                | 5 Piece    | 20          | 5           | 1050       | 1000       |
| 07865  | 1.22 Floppies |                | 5 Piece    | 100         | 20          | 525        | 950        |
| 07868  | Keyboards     |                | 2 Piece    | 10          | 3           | 3150       | 3050       |
| 07885  | CD Drive      | 2.5            | Piece      | 10          | 3           | 5250       | 5100       |
| 07965  | 540 HDD       |                | 4 Piece    | 10          | 3           | 8400       | 8000       |
| 07975  | 1.44 Drive    |                | 5 Piece    | 10          | 3           | 1050       | 1000       |
| 08865  | 1.22 Drive    |                | 5 Piece    | 2           | 3           | 1050       | 1000       |

10) Change the city of the salesman to Mumbai.

```

SQL> update salesman_master
2 set city='mumbai';

4 rows updated.

SQL> select * from salesman_master;

```

| SALESM | SALESMAN_NAME | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | SAL_AMT | TGT_TO_GET | YT |
|--------|---------------|----------|----------|--------|---------|-------------|---------|------------|----|
| 500001 | Kiran         | A/14     | Worli    | mumbai | 400002  | Maharashtra | 3000    | 100        |    |
|        | 50 Good       |          |          |        |         |             |         |            |    |
| 500002 | Manish        | 65       | Nariman  | mumbai | 400001  | Maharashtra | 3000    | 200        |    |
|        | 100 Good      |          |          |        |         |             |         |            |    |
| 500003 | Ravi          | P-7      | Bandra   | mumbai | 400032  | Maharashtra | 3000    | 200        |    |
|        | 100 Good      |          |          |        |         |             |         |            |    |
| 500004 | Ashish        | A/5      | Juhu     | mumbai | 400044  | Maharashtra | 3500    | 200        |    |
|        | 150 Good      |          |          |        |         |             |         |            |    |

11) Delete all salesman from the salesman\_master whose salaries are equal to Rs. 3500.

| SALESMAN_ID                         | SALESMAN_NAME | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | SAL_AMT | TGT_TO_GET | YT |
|-------------------------------------|---------------|----------|----------|--------|---------|-------------|---------|------------|----|
| S00001                              | Kiran         | A/14     | Worli    | mumbai | 400002  | Maharashtra | 3000    | 100        |    |
| 50                                  | Good          |          |          |        |         |             |         |            |    |
| S00002                              | Manish        | 65       | Nariman  | mumbai | 400001  | Maharashtra | 3000    | 200        |    |
| 100                                 | Good          |          |          |        |         |             |         |            |    |
| S00003                              | Ravi          | P-7      | Bandra   | mumbai | 400032  | Maharashtra | 3000    | 200        |    |
| 100                                 | Good          |          |          |        |         |             |         |            |    |
| S00004                              | Ashish        | A/5      | Juhu     | mumbai | 400044  | Maharashtra | 3500    | 200        |    |
| 150                                 | Good          |          |          |        |         |             |         |            |    |
| SQL> DELETE FROM salesman_master    |               |          |          |        |         |             |         |            |    |
| 2 WHERE sal_amt=3500;               |               |          |          |        |         |             |         |            |    |
| 1 row deleted.                      |               |          |          |        |         |             |         |            |    |
| SQL> select * from salesman_master; |               |          |          |        |         |             |         |            |    |
| SALESMAN_ID                         | SALESMAN_NAME | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | SAL_AMT | TGT_TO_GET | YT |
| S00001                              | Kiran         | A/14     | Worli    | mumbai | 400002  | Maharashtra | 3000    | 100        |    |
| 50                                  | Good          |          |          |        |         |             |         |            |    |
| S00002                              | Manish        | 65       | Nariman  | mumbai | 400001  | Maharashtra | 3000    | 200        |    |
| 100                                 | Good          |          |          |        |         |             |         |            |    |
| S00003                              | Ravi          | P-7      | Bandra   | mumbai | 400032  | Maharashtra | 3000    | 200        |    |
| 100                                 | Good          |          |          |        |         |             |         |            |    |

12) Delete all products from product\_master where the quantity on hand is equal to 100.

```
SQL> select * from product_master;
```

| PRODUC | DESCRIPTION   | PROFIT_PERCENT | UNIT_MEASU | QTY_ON_HAND | REORDER_LVL | SELL_PRICE | COST_PRICE |
|--------|---------------|----------------|------------|-------------|-------------|------------|------------|
| P00001 | 1.44 Floppies |                | 5 Piece    | 100         | 20          | 525        | 500        |
| P03453 | Monitors      |                | 6 Piece    | 10          | 3           | 12000      | 11280      |
| P06734 | Mouse         |                | 5 Piece    | 20          | 5           | 1050       | 1000       |
| P07865 | 1.22 Floppies |                | 5 Piece    | 100         | 20          | 525        | 500        |
| P07868 | Keyboards     |                | 2 Piece    | 10          | 3           | 3150       | 3050       |
| P07885 | CD Drive      |                | 2.5 Piece  | 10          | 3           | 5250       | 5100       |
| P07965 | 540 HDD       |                | 4 Piece    | 10          | 3           | 8400       | 8000       |
| P07975 | 1.44 Drive    |                | 5 Piece    | 10          | 3           | 1050       | 1000       |
| P08865 | 1.22 Drive    |                | 5 Piece    | 2           | 3           | 1050       | 1000       |

9 rows selected.

```
SQL> DELETE FROM product_master
2 WHERE qty_on_hand=100;
```

2 rows deleted.

```
SQL> select * from product_master;
```

| PRODUC | DESCRIPTION | PROFIT_PERCENT | UNIT_MEASU | QTY_ON_HAND | REORDER_LVL | SELL_PRICE | COST_PRICE |
|--------|-------------|----------------|------------|-------------|-------------|------------|------------|
| P03453 | Monitors    |                | 6 Piece    | 10          | 3           | 12000      | 11280      |
| P06734 | Mouse       |                | 5 Piece    | 20          | 5           | 1050       | 1000       |
| P07868 | Keyboards   |                | 2 Piece    | 10          | 3           | 3150       | 3050       |
| P07885 | CD Drive    |                | 2.5 Piece  | 10          | 3           | 5250       | 5100       |
| P07965 | 540 HDD     |                | 4 Piece    | 10          | 3           | 8400       | 8000       |
| P07975 | 1.44 Drive  |                | 5 Piece    | 10          | 3           | 1050       | 1000       |
| P08865 | 1.22 Drive  |                | 5 Piece    | 2           | 3           | 1050       | 1000       |

7 rows selected.

13) Delete from Client\_master where the column state holds the value 'Tamil Nadu'.

```
SQL> select * from client_master;
```

| CLIENT_NAME | ADDRESS1        | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE |
|-------------|-----------------|----------|--------|---------|-------------|---------|
| C00001      | Ivan Bayross    |          | Bombay | 400054  | Maharashtra | 15000   |
| C00002      | Vandana Saitwal |          | Madras | 780001  | Tamil Nadu  | 0       |
| C00003      | Pramada Jaguste |          | Bombay | 400057  | Maharashtra | 5000    |
| C00004      | Basu Navindgi   |          | Bombay | 400056  | Maharashtra | 0       |
| C00005      | Ravi Sreedharan |          | Delhi  | 110001  | Delhi       | 2000    |
| C00006      | Rukmini         |          | Bombay | 400050  | Maharashtra | 0       |

6 rows selected.

```
SQL> DELETE FROM Client_master
2 WHERE state = 'Tamil Nadu';
```

1 row deleted.

```
SQL> select * from client_master;
```

| CLIENT_NAME | ADDRESS1        | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE |
|-------------|-----------------|----------|--------|---------|-------------|---------|
| C00001      | Ivan Bayross    |          | Bombay | 400054  | Maharashtra | 15000   |
| C00003      | Pramada Jaguste |          | Bombay | 400057  | Maharashtra | 5000    |
| C00004      | Basu Navindgi   |          | Bombay | 400056  | Maharashtra | 0       |
| C00005      | Ravi Sreedharan |          | Delhi  | 110001  | Delhi       | 2000    |
| C00006      | Rukmini         |          | Bombay | 400050  | Maharashtra | 0       |

14) Add a column called 'telephone' of data type 'number' and size =10 to the Client\_master table.

```
SQL> select * from client_master;
```

| CLIENT NAME            | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE |
|------------------------|----------|----------|--------|---------|-------------|---------|
| C00001 Ivan Bayross    |          |          | Bombay | 400054  | Maharashtra | 15000   |
| C00003 Pramada Jaguste |          |          | Bombay | 400057  | Maharashtra | 5000    |
| C00004 Basu Navindgi   |          |          | Bombay | 400056  | Maharashtra | 0       |
| C00005 Ravi Sreedharan |          |          | Delhi  | 110001  | Delhi       | 2000    |
| C00006 Rukmini         |          |          | Bombay | 400050  | Maharashtra | 0       |

```
SQL> ALTER TABLE Client_master
2 ADD telephone NUMBER(10);

Table altered.

SQL> select * from client_master;
```

| CLIENT NAME            | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE | TELEPHONE |
|------------------------|----------|----------|--------|---------|-------------|---------|-----------|
| C00001 Ivan Bayross    |          |          | Bombay | 400054  | Maharashtra | 15000   |           |
| C00003 Pramada Jaguste |          |          | Bombay | 400057  | Maharashtra | 5000    |           |
| C00004 Basu Navindgi   |          |          | Bombay | 400056  | Maharashtra | 0       |           |
| C00005 Ravi Sreedharan |          |          | Delhi  | 110001  | Delhi       | 2000    |           |
| C00006 Rukmini         |          |          | Bombay | 400050  | Maharashtra | 0       |           |

15) Change the size of sell\_price column in product\_master to 10,2.

```
SQL> select * from product_master;
```

| PRODUC DESCRIPTION | PROFIT_PERCENT | UNIT_MEASU | QTY_ON_HAND | REORDER_LVL | SELL_PRICE | COST_PRICE |
|--------------------|----------------|------------|-------------|-------------|------------|------------|
| P03453 Monitors    | 6              | Piece      | 10          | 3           | 12000      | 11280      |
| P06734 Mouse       | 5              | Piece      | 20          | 5           | 1050       | 1000       |
| P07868 Keyboards   | 2              | Piece      | 10          | 3           | 3150       | 3050       |
| P07885 CD Drive    | 2.5            | Piece      | 10          | 3           | 5250       | 5100       |
| P07965 540 HDD     | 4              | Piece      | 10          | 3           | 8400       | 8000       |
| P07975 1.44 Drive  | 5              | Piece      | 10          | 3           | 1050       | 1000       |
| P08865 1.22 Drive  | 5              | Piece      | 2           | 3           | 1050       | 1000       |

```
7 rows selected.

SQL> ALTER TABLE product_master
2 MODIFY sell_price NUMBER(10, 2);

Table altered.

SQL> select * from product_master;
```

| PRODUC DESCRIPTION | PROFIT_PERCENT | UNIT_MEASU | QTY_ON_HAND | REORDER_LVL | SELL_PRICE | COST_PRICE |
|--------------------|----------------|------------|-------------|-------------|------------|------------|
| P03453 Monitors    | 6              | Piece      | 10          | 3           | 12000      | 11280      |
| P06734 Mouse       | 5              | Piece      | 20          | 5           | 1050       | 1000       |
| P07868 Keyboards   | 2              | Piece      | 10          | 3           | 3150       | 3050       |
| P07885 CD Drive    | 2.5            | Piece      | 10          | 3           | 5250       | 5100       |
| P07965 540 HDD     | 4              | Piece      | 10          | 3           | 8400       | 8000       |
| P07975 1.44 Drive  | 5              | Piece      | 10          | 3           | 1050       | 1000       |
| P08865 1.22 Drive  | 5              | Piece      | 2           | 3           | 1050       | 1000       |

```
7 rows selected.
```



## 16) Destroy the table client\_master along with its data.

```
SQL> select * from client_master;
```

| CLIENT NAME            | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | BAL_DUE | TELEPHONE |
|------------------------|----------|----------|--------|---------|-------------|---------|-----------|
| C00001 Ivan Bayross    |          |          | Bombay | 400054  | Maharashtra | 15000   |           |
| C00003 Pramada Jaguste |          |          | Bombay | 400057  | Maharashtra | 5000    |           |
| C00004 Basu Navindgi   |          |          | Bombay | 400056  | Maharashtra | 0       |           |
| C00005 Ravi Sreedharan |          |          | Delhi  | 110001  | Delhi       | 2000    |           |
| C00006 Rukmini         |          |          | Bombay | 400050  | Maharashtra | 0       |           |

```
SQL> DROP TABLE Client_master;
```

Table dropped.

```
SQL> select * from client_master;
```

```
select * from client_master
*
```

ERROR at line 1:

ORA-00942: table or view does not exist

## 17) Change the name of salesman\_master table to sman\_mast.

```
SQL> select * from salesman_master;
```

| SALESMAN NAME             | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | SAL_AMT | TGT_TO_GET | YT |
|---------------------------|----------|----------|--------|---------|-------------|---------|------------|----|
| S00001 Kiran<br>50 Good   | A/14     | Worli    | mumbai | 400002  | Maharashtra | 3000    | 100        |    |
| S00002 Manish<br>100 Good | 65       | Nariman  | mumbai | 400001  | Maharashtra | 3000    | 200        |    |
| S00003 Ravi<br>100 Good   | P-7      | Bandra   | mumbai | 400032  | Maharashtra | 3000    | 200        |    |

```
SQL> ALTER TABLE salesman_master RENAME TO sman_mast;
```

Table altered.

```
SQL> select * from salesman_master;
```

```
select * from salesman_master
*
```

ERROR at line 1:

ORA-00942: table or view does not exist

```
SQL> select * from sman_mast;
```

| SALESMAN NAME             | ADDRESS1 | ADDRESS2 | CITY   | PINCODE | STATE       | SAL_AMT | TGT_TO_GET | YT |
|---------------------------|----------|----------|--------|---------|-------------|---------|------------|----|
| S00001 Kiran<br>50 Good   | A/14     | Worli    | mumbai | 400002  | Maharashtra | 3000    | 100        |    |
| S00002 Manish<br>100 Good | 65       | Nariman  | mumbai | 400001  | Maharashtra | 3000    | 200        |    |
| S00003 Ravi<br>100 Good   | P-7      | Bandra   | mumbai | 400032  | Maharashtra | 3000    | 200        |    |