SQL> create table client\_master\_23(clientno varchar(6)primary key,name varchar(15)not null,address1

varchar(5),address2 varchar(5),city varchar(15),pincode number(6),state varchar(15),baldue number(10

,2),constraint chk\_client check(clientno like'C%'));

Table created.

SQL> desc client\_master\_23;

Name Null? Type

----------------------------------------- -------- ----------------------------

CLIENTNO NOT NULL VARCHAR2(6)

NAME NOT NULL VARCHAR2(15)

ADDRESS1 VARCHAR2(5)

ADDRESS2 VARCHAR2(5)

CITY VARCHAR2(15)

PINCODE NUMBER(6)

STATE VARCHAR2(15)

BALDUE NUMBER(10,2)

SQL> insert into client\_master\_23 values('C00001','Rakesh Joshi','','','Mumbai',400054,'Maharashtra'

,15000);

1 row created.

SQL> insert into client\_master\_23 values('C00002','Mayur Patel','','','Madras',780001,'Tamilnadu',0

);

1 row created.

SQL> insert into client\_master\_23 values('C00003','Ishita Mehta','','','Mumbai',400057,'Maharashtr

a',5000);

1 row created.

SQL> insert into client\_master\_23 values('C00004','Amit Solanki','','','Bangalore',560001,'Karnatak

a',0);

1 row created.

SQL> insert into client\_master\_23 values('C00005','Hiren Pandya','','','Mumbai',400060,'Maharashtra

',2000);

1 row created.

SQL> insert into client\_master\_23 values('C00006','Dipak Sharma','','','Mangalore',560050,'Karnatak

a',0);

1 row created.

SQL> create table product\_master\_23(productno varchar(6)primary key,description varchar(15)not null,

profitpercent number(4,2)not null,unitmaster varchar(7)not null,qtyonhand number(4)not null,reorderl

vl number(3)not null,sellprice number(5,2)not null,costprice number(5,2)not null,constraint chk\_prod

uctno check(productno like 'P%'),constraint chk\_sellprice check(sellprice!=0),constraint chk\_costpri

ce check(costprice!=0));

Table created.

SQL> desc product\_master\_23;

Name Null? Type

----------------------------------------- -------- ----------------------------

PRODUCTNO NOT NULL VARCHAR2(6)

DESCRIPTION NOT NULL VARCHAR2(15)

PROFITPERCENT NOT NULL NUMBER(4,2)

UNITMASTER NOT NULL VARCHAR2(7)

QTYONHAND NOT NULL NUMBER(4)

REORDERLVL NOT NULL NUMBER(3)

SELLPRICE NOT NULL NUMBER(5,2)

COSTPRICE NOT NULL NUMBER(5,2)

SQL> insert into product\_master\_23 values('P00001','T-Shirts',5,'Piece',200,50,350,250);

1 row created.

SQL> insert into product\_master\_23 values('P0345','shirts',6,'Piece',200,50,500,350);

1 row created.

SQL> insert into product\_master\_23 values('P06734','Cotton Jeans',5,'Piece',100,20,600,450);

1 row created.

SQL> insert into product\_master\_23 values('P07865','Jeans',5,'Piece',100,20,750,500);

1 row created.

SQL> insert into product\_master\_23 values('P07868','Trousers',2,'Piece',150,50,850,550);

1 row created.

SQL> insert into product\_master\_23 values('P07885','Pull Overs',2.5,'Piece',80,30,700,450);

1 row created.

SQL> insert into product\_master\_23 values('P07965','Denim Shirts',4,'Piece',100,40,350,250);

1 row created.

SQL> insert into product\_master\_23 values('P07975','Lycra Tops',5,'Piece',70,30,300,175);

1 row created.

SQL> insert into product\_master\_23 values('P08865','Skirts',5,'Piece',75,30,450,300);

1 row created.

SQL> create table salesman\_master\_23(salesmanno varchar(6)primary key,salesmanname varchar(15)not n

ull,address1 varchar(10)not null,address2 varchar(10),city varchar(10),pincode number(6),state varch

ar(12),salamt number(8,2)not null,tgttoget number(6,2)not null,ytdsales number(6,2)not null,remarks

varchar(10),constraint chk\_salesmanno check(salesmanno like'S%'),constraint chk\_salamt check(sala

mt!=0),constraint chk\_tgttoget check(tgttoget!=0),constraint chk\_ytdsales check(ytdsales!=0));

Table created.

SQL> desc salesman\_master\_23;

Name Null? Type

----------------------------------------- -------- ----------------------------

SALESMANNO NOT NULL VARCHAR2(6)

SALESMANNAME NOT NULL VARCHAR2(15)

ADDRESS1 NOT NULL VARCHAR2(10)

ADDRESS2 VARCHAR2(10)

CITY VARCHAR2(10)

PINCODE NUMBER(6)

STATE VARCHAR2(12)

SALAMT NOT NULL NUMBER(8,2)

TGTTOGET NOT NULL NUMBER(6,2)

YTDSALES NOT NULL NUMBER(6,2)

REMARKS VARCHAR2(10)

SQL> insert into salesman\_master\_23 values('S00001','Aman','A/14','Worli','Mumbai',400002,'Maharasht

ra',3000,100,50,'Good');

1 row created.

SQL> insert into salesman\_master\_23 values('S00002','Omkar','65','Nariman','Mumbai',400001,'Maharash

tra',3000,200,100,'Good');

1 row created.

SQL> insert into salesman\_master\_23 values ('S00003','Raj','P-7','Bandra','Mumbai',400032,'Maharash

tra',3000,200,100,'Good');

1 row created.

SQL> insert into salesman\_master\_23 values ('S00004','Ashish','A/5','Juhu','Mumbai',400044,'Maharas

htra',3000,200,100,'Good');

1 row created.

SQL> select\*from salesman\_master\_23;

SALESM SALESMANNAME ADDRESS1 ADDRESS2 CITY PINCODE STATE SALAMT TGTTOGET YTDSALES REMARKS

------ --------------- ---------- ---------- ---------- ---------- ------------ ---------- ---------- ---------- ----------

S00001 Aman A/14 Worli Mumbai 400002 Maharashtra 3000 100 50 Good

S00002 Omkar 65 Nariman Mumbai 400001 Maharashtra 3000 200 100 Good

S00003 Raj P-7 Bandra Mumbai 400032 Maharashtra 3000 200 100 Good

S00004 Ashish A/5 Juhu Mumbai 400044 Maharashtra 3000 200 100 Good

SQL> create table sales\_order\_23(orderno varchar(6)primary key,clientno varchar(6)references client\_master\_23,orderdate date not null,delyaddr varchar(20),salesmanno varchar(6)references salesman\_master\_23,delytype char(1),billyn char(1),delydate date,orderstatus varchar(10),constraint chk\_orderno check(orderno like 'O%'),constraint chk\_delytype check(delytype in('p','f')),constraint chk\_delydate check(delydate>orderdate),constraint chk\_orderstatus check(orderstatus in('in process','fulfilled','backorder','cancelled')));

Table created.

SQL> desc sales\_order\_23;

Name Null? Type

----------------------------------------------------------------------------------- -------- --------------------------------------------------------

ORDERNO NOT NULL VARCHAR2(6)

CLIENTNO VARCHAR2(6)

ORDERDATE NOT NULL DATE

DELYADDR VARCHAR2(20)

SALESMANNO VARCHAR2(6)

DELYTYPE CHAR(1)

BILLYN CHAR(1)

DELYDATE DATE

ORDERSTATUS VARCHAR2(10)

SQL> insert into sales\_order\_23 values ('O19001','C00001','12-June-04','','S00001','f','N','20-July-04','in process');

1 row created.

SQL> insert into sales\_order\_23 values ('O19002','C00002','25-June-04','','S00002','p','N','27-June-04','cancelled');

1 row created.

SQL> insert into sales\_order\_23 values ('O46865','C00003','18-Feb-04','','S00003','f','Y','20-Feb-04','fulfilled');

1 row created.

SQL> insert into sales\_order\_23 values ('O19003','C00004','03-Apr-04','','S00001','f','Y','07-Apr-04','fulfilled');

1 row created.

SQL> insert into sales\_order\_23 values ('O46866','C00005','20-May-04','','S00002','p','N','22-May-04','cancelled');

SQL> insert into sales\_order\_23 values ('O19008','C00006','24-May-04','','S00004','f','N','26-July-04','fulfilled');

1 row created.

SQL> select\*from sales\_order\_23 ;

ORDERN CLIENT ORDERDATE DELYADDR SALESM D B DELYDATE ORDERSTATU

------ ------ --------- -------------------- ------ - - --------- ----------

O19001 C00001 12-JUN-04 S00001 f N 20-JUL-04 in process

O19002 C00002 25-JUN-04 S00002 p N 27-JUN-04 cancelled

O46865 C00003 18-FEB-04 S00003 f Y 20-FEB-04 fulfilled

O19003 C00004 03-APR-04 S00001 f Y 07-APR-04 fulfilled

O46866 C00005 20-MAY-04 S00002 p N 22-MAY-04 cancelled

O19008 C00006 24-MAY-04 S00004 f N 26-JUL-04 fulfilled

6 rows selected.

1 row created.

SQL>

create table sales\_order\_details\_23(orderno varchar(6)references sales\_order\_23,productno varchar(6)references product\_master\_23,qtyordered number(8),qtydisp number(8),productrate number(10,2));

Table created.

SQL> desc sales\_order\_details\_23;

Name Null? Type

----------------------------------------- -------- ----------------------------

ORDERNO VARCHAR2(6)

PRODUCTNO VARCHAR2(6)

QTYORDERED NUMBER(8)

QTYDISP NUMBER(8)

PRODUCTRATE NUMBER(10,2)

SQL> insert into sales\_order\_details\_23 values('O19001','P07965',4,4,525);

1 row created.

Commit complete.

SQL> insert into sales\_order\_details\_23 values('O19001','P07965',2,1,8400);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O19001','P07885',2,1,5250);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O19002','P00001',10,0,525);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O46865','P07868',3,3,3150);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O46865','P07885',3,1,5250);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O46865','P00001',10,10,525);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O46865','P0345',4,4,1050);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O19003','P07868',2,2,1050);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O19003','P06734',1,1,12000);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O46866','P07965',1,0,8400);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O46866','P07975',1,0,1050);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O19008','P00001',10,5,525);

1 row created.

SQL> insert into sales\_order\_details\_23 values('O19008','P07975',5,3,1050);

1 row created.

SQL> select \* from sales\_order\_details\_23 ;

ORDERN PRODUC QTYORDERED QTYDISP PRODUCTRATE

------ ------ ---------- ---------- -----------

O19001 P07965 4 4 525

O19001 P07965 2 1 8400

O19001 P07885 2 1 5250

O19002 P00001 10 0 525

O46865 P07868 3 3 3150

O46865 P07885 3 1 5250

O46865 P00001 10 10 525

O46865 P0345 4 4 1050

O19003 P07868 2 2 1050

O19003 P06734 1 1 12000

O46866 P07965 1 0 8400

ORDERN PRODUC QTYORDERED QTYDISP PRODUCTRATE

------ ------ ---------- ---------- -----------

O46866 P07975 1 0 1050

O19008 P00001 10 5 525

O19008 P07975 5 3 1050

14 rows selected.

**Perform the following computations on table data**

1. SQL> select\*from client\_master\_23 where name like'\_a%';

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

------ --------------- ----- ----- --------------- ---------- --------------- ----------

C00001 Rakesh Joshi Mumbai 400054 Maharashtra 15000

C00002 Mayur Patel Madras 780001 Tamilnadu 0

**2)**SQL> select\*from client\_master\_23 where city like 'M%';

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

------ --------------- ----- ----- --------------- ---------- --------------- ----------

C00001 Rakesh Joshi Mumbai 400054 Maharashtra 15000

C00002 Mayur Patel Madras 780001 Tamilnadu 0

C00003 Ishita Mehta Mumbai 400057 Maharashtra 5000

C00005 Hiren Pandya Mumbai 400060 Maharashtra 2000

C00006 Dipak Sharma Mangalore 560050 Karnataka 0

**3)**SQL> select\*from client\_master\_23 where city in('Bangalore','Mangalore');

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

------ --------------- ----- ----- --------------- ---------- --------------- ----------

C00004 Amit Solanki Bangalore 560001 Karnataka 0

C00006 Dipak Sharma Mangalore 560050 Karnataka 0

**4)**SQL> select\*from client\_master\_23 where Baldue >10000;

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

------ --------------- ----- ----- --------------- ---------- --------------- ----------

C00001 Rakesh Joshi Mumbai 400054 Maharashtra 15000

**6)** SQL> select orderno,orderdate,orderstatus from sales\_order\_23 where clientno in('C00001','C00002');

ORDERN ORDERDATE ORDERSTATU

------ --------- ----------

O19001 12-JUN-04 in process

O19002 25-JUN-04 cancelled

**8)**SQL> select\*from product\_master\_23 where sellprice >500;

PRODUC DESCRIPTION PROFITPERCENT UNITMAS QTYONHAND REORDERLVL SELLPRICE COSTPRICE

------ --------------- ------------- ------- ---------- ---------- ---------- ----------

P06734 Cotton Jeans 5 Piece 100 20 600 450

P07865 Jeans 5 Piece 100 20 750 500

P07868 Trousers 2 Piece 150 50 850 550

P07885 Pull Overs 2.5 Piece 80 30 700 450

**9)**SQL> select sellprice \*0.15 from product\_master\_23;

SELLPRICE\*0.15

--------------

52.5

75

90

112.5

127.5

105

52.5

45

67.5

9 rows selected

B.3

3.SQL> select to\_char (orderdate,'dd-month-yy')orderdate from sales\_order\_23;

ORDERDATE

---------------

12-june -04

25-june -04

18-february -04

03-april -04

20-may -04

24-may -04

6 rows selected.

4.SQL> select sysdate +15 "date" from dual;

date

---------

16-JAN-09

C]

**C-1)** SQL> select description,sum(qtydisp) from product\_master\_23,sales\_order\_details\_23 where product\_master\_23.productno=sales\_order\_details\_23.productno group by description;

DESCRIPTION SUM(QTYDISP)

--------------- ------------

Denim Shirts 5

Pull Overs 2

shirts 4

Cotton Jeans 1

Lycra Tops 3

T-Shirts 15

Trousers 5

7 rows selected.

**C-2**) SQL> select s.productno,p.description,sum(s.qtydisp\*s.productrate) "values"from sales\_order\_details\_23 s,product\_master\_23 p where p.productno=s.productno group by s.productno,p.description;

PRODUC DESCRIPTION values

------ --------------- ----------

P00001 T-Shirts 7875

P0345 shirts 4200

P07975 Lycra Tops 3150

P07885 Pull Overs 10500

P07868 Trousers 11550

P07965 Denim Shirts 10500

P06734 Cotton Jeans 12000

7 rows selected.

**C-3)**SQL> select c.clientno,c.name,avg(s.qtydisp)"avrage" from sales\_order\_details\_23 s,sales\_order\_23 so,client\_master\_23 c where c.clientno=so.clientno and so.orderno=so.orderno group by c.clientno,c.name having max(s.qtyordered \* s.productrate)>15000;

CLIENT NAME avrage

------ --------------- ----------

C00004 Amit Solanki 2.5

C00001 Rakesh Joshi 2.5

C00003 Ishita Mehta 2.5

C00002 Mayur Patel 2.5

C00006 Dipak Sharma 2.5

C00005 Hiren Pandya 2.5

6 rows selected.

**c-4)**SQL> select s.orderno,s.orderdate,sum(so.qtyordered\*so.productrate)"bill" from sales\_order\_23 s,sales\_order\_details\_23 so where so.orderno=s.orderno and s.billyn='y' and to\_char(s.orderdate,'mom')='jun' group by s.orderno,s.orderdate;

no rows selected

B-2.SQL> select to\_char(delydate,'month')"month",delydate "date" from sales\_order\_23;

month date

--------- ---------

july 20-JUL-04

june 27-JUN-04

february 20-FEB-04

april 07-APR-04

may 22-MAY-04

may 26-MAY-04

6 rows selected.