

```
create table clientmaster_63_63(client_no varchar(10) primary key check(client_no like 'C%'),
name varchar(20) not null,
address1 varchar(15),
address2 varchar(15),
city varchar(10),
pincode number(6),
state varchar(20),
bal_due number(10,2));
```

Table created.

```
create table product_master_63(product_no varchar(6) primary key check(product_no like 'P%'),
description varchar(12) not null,
profit_percent number(3,2),
unit_measure varchar(10),
qty_on_hand number(4),
reorder_lvl number(5),
sell_price number(10),
cost_price number(10));
```

Table created.

```
create table salesman_master_63(salesman_no varchar(6) primary key check(salesman_no like 'S
%'),
salesman_name varchar(10) not null,
address1 varchar(10) not null,
city varchar(10),
pincode number(6),
state varchar(10),
sal_amt number(7) not null check(sal_amt <> 0),
tgt_to_get number(4) not null,
ttd_sales number(4) not null,
remarks varchar(10));
```

Table created.

```
create table sales_order_63(order_no varchar(6) primary key check(order_no like 'O%'),
order_date date,
client_no varchar(6) references clientmaster_63(client_no),
dely_addr varchar(10),
salesman_no varchar(6),
dely_type varchar(1) default 'F' check(dely_type in('P','F')),
billed_yn varchar(1),
dely_date date,
order_status varchar(15) check(order_status in('inprocess','fullfilled','backorder','cancelled')));
```

Table created.

```
create table sales_order_details_63(order_no varchar(6) references sales_order_63(order_no),
product_no varchar(6) references product_master_63(product_no),
qty_ordered number(6),
qty_number number(6),
```

product_rate number(6,2));

Table created.

rename clientmaster_63_63 to clientmaster_63;

Table renamed.

Alter table sales_order_63 add dely_date check(dely_date>order_date);

Table altered.

Alter table product_master_63 add check(cost_price>0);

Table altered.

Alter table product_master_63 modify cost_price not null;

Table altered.

Alter table product_master_63 add check(sell_price>0);

Table altered.

Insert into clientmaster_63
values('&client_no','&name','&address1','&address2','&city','&picode','&state','&bal_due);
insert into clientmaster_63 values('C00001','ivan
bayross','wadon','worli','mumbai',450005,'Maharashtra',15000);
insert into clientmaster_63 values('C00002','vandana saitwa','don
street','bandra','madras',780001,'tamil nadu',0);
insert into clientmaster_63
values('C00003','pramadajagust','mandon','dadar','mumbai',450007,'Maharashtra',5000);
insert into clientmaster_63 values('C00004','basu
navindgi','jerome','juhu','mumbai',450009,'Maharashtra',0);
insert into clientmaster_63
values('C00005','Ravisreedharan','dadar','dadra','delhi',100003,'delhi',2000);
insert into clientmaster_63
values('C00006','rukmini','rourk','bandra','mumbai',450002,'Maharashtra',0);

insert into product_master_63 values('P00001','1.44 flppiess',5,'piece',100,20,525,500);
insert into product_master_63 values('P03453','monitors',6,'piece',10,3,12000,11280);
insert into product_master_63 values('P45789','mouse',5,'piece',20,5,1050,1000);
insert into product_master_63 values('P44783','keyboard',5,'piece',100,20,3150,3050);
insert into product_master_63 values('P45789','mouse',5,'piece',20,5,1050,1000);
insert into product_master_63 values('P45123','cd drive',2,'piece',10,3,5250,5100);
insert into product_master_63 values('P35412','540 HDD',2.5,'piece',10,3,8400,8000);

insert into
salesman_master_63 values('S00001','kiran','a/4','worli',450001,'bombay',3000,100,50,'good');
insert into salesman_master_63 values('S00002','mahesh','p-
65','nariman',450001,'bombay',3000,200,100,'good');
insert into salesman_master_63 values('S00003','ravi','p-

```

7,'bandra',450003,'bombay',3000,200,100,'good');
insert into salesman_master_63
values('S00004','ashish','a/5','juhu',400041,'bombay',3000,200,150,'good');

insert into sales_order_63 values('O19001','12-jan-96','C00001','wandon','S00001','20-jan-
96','inprocess','N');
insert into sales_order_63 values('O19002','25-jan-96','C00002','don street','S00002','P','27-jan-
96','cancelled','N');
insert into sales_order_63 values('O46865','18-feb-96','C00003','mandon','S00003','F','20-feb-
96','fullfilled','Y');
insert into sales_order_63 values('O19003','03-apr-96','C00001','jerome','S00001','F','07-apr-
96','fullfilled','Y');
insert into sales_order_63 values('O46866','20-may-96','C00004','dadar','S00002','P','22-may-
96','cancelled','N');
insert into sales_order_63 values('O19008','24-may-96','C00005','rourk','S00004','F','26-may-
96','inprocess','N');

insert into sales_order_details_63 values('O19001','P00001',4,4,525);
insert into sales_order_details_63 values('O19002','P00001',10,0,525);
insert into sales_order_details_63 values('O46865','P00001',10,10,525);
insert into sales_order_details_63 values('O46865','P03453',4,4,1050);
insert into sales_order_details_63 values('O19003','P03453',2,2,1050);
insert into sales_order_details_63 values('O19008','P00001',10,5,525);

```

COMPUTATION OF TABLE

a) select salesman_name from salesman_master_63 where salesman_name like '_a%';

SALESMAN_N

```

-----
mahesh
ravi

```

b) select name from clientmaster_63 where name like 'R%' and city='delhi';

NAME

```

-----
Ravisreedharan

```

c) select name,address1,address2 from clientmaster_63 where city in('delhi','maharashtra');

NAME	ADDRESS1	ADDRESS2
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```

-----
Ravisreedharan          dadar          dadra

```

d) select description as products from product_master_63 where cost_price >= 5000;

PRODUCTS

```

-----
monitors
cd drive
540 HDD

```

e) select * from sales_order_63 where order_date like '%MAY%';

ORDER_	ORDER_DAT	CLIENT	DELY_ADDR	SALESM	D	DELY_DATE	ORDER_STATUS
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O46866	20-MAY-96	C00004	dadar	S00002	P	22-MAY-96	cancelled	N
O19008	24-MAY-96	C00005	rourk	S00004	F	26-MAY-96	inprocess	N

f) select * from salesman_master_63 where salesman_no in('S00001','S00002');

SALESM	SALESMAN_N	ADDRESS1	CITY	PINCODE	STATE	SAL_AMT
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TGT_TO_GET	TTD_SALES	REMARKS
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S00001	kiran	a/4	worli	450001	bombay	3000
100	50	good				

S00002	mahesh	p-65	nariman	450001	bombay	3000
200	100	good				

g) select description as products from product_master_63 where sell_price>2000 and sell_price<5000;

PRODUCTS

keyboard

h) select sell_price as original_sell_price ,sell_price*20/100 as new_sell_price from product_master_63 where sell_price>3000;

ORIGINAL_SELL_PRICE	NEW_SELL_PRICE
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12000	2400
3150	630
5250	1050
8400	1680

i) select count(*) as total_no_of_products from product_master_63;

TOTAL_NO_OF_PRODUCTS

6

j) select count(*) as no_of_orders_fullfilled from sales_order_63 where order_status='fullfilled';

NO_OF_ORDERS_FULLFILLED

2

k) select avg(sell_price) from product_master_63;

AVG(SELL_PRICE)

5062.5

DATE MANIPULATION

a) select order_no,to_char(order_date,'dd') as order_day from sales_order_63;

ORDER_ OR

----- --

O19001 12

O19002 25

O46865 18

O19003 03

O46866 20

O19008 24

6 rows selected.

b) select to_char(dely_date,'month')as month,to_char(dely_date,'dd') as day from sales_order_63;

MONTH DA

----- --

january 20

january 27

february 20

april 07

may 22

may 26

6 rows selected.

c) select to_char(order_date,'dd/month/yyyy')as order_date from sales_order_63;

ORDER_DATE

12/january /1996

25/january /1996

18/february /1996

03/april /1996

20/may /1996

24/may /1996

6 rows selected.

d) select sysdate+15 from dual;

SYSDATE+1

29-SEP-18

SUBQUERIES

a) select name,address1,address2,city,pincode from clientmaster_63 where client_no=(select client_no from sales_order_63 where order_no='O19001');

NAME	ADDRESS1	ADDRESS2	CITY

PINCODE			

ivan bayross 450005	wadon	worli	mumbai

b) select name from clientmaster_63 where client_no in(select client_no from sales_order_63 where order_date<'01-may-96');

NAME

ivan bayross
vandana saitwa
pramadajagust

c) select client_no,name from clientmaster_63 where client_no in(select client_no from sales_order_63 where order_no in(select order_no from sales_order_details_63 where product_no=(select product_no from product_master_63 where description='1.44 flppiess')));

CLIENT_NO NAME

C00001	ivan bayross
C00002	vandana saitwa
C00003	pramadajagust
C00005	Ravisreedharan

d) select product_no,description from product_master_63 where product_no in(select product_no from sales_order_details_63 where order_no in(select order_no from sales_order_63 where order_status='fullfilled'));

PRODUC DESCRIPTION

P03453 monitors
P00001 1.44 flppiess

VIEW IN SQL

a) create view client_det as select client_no,name,city from clientmaster_63;

View created.

b) UPDATE client_det set city='new delhi' where city='delhi';

1 row updated.

SQL> select city from client_det;

CITY

mumbai

madras

mumbai

mumbai

new delhi

mumbai

6 rows selected.

SQL> select city from clientmaster_63;

CITY

mumbai

madras

mumbai

mumbai

new delhi

mumbai

6 rows selected.