**EXPT 6**

**Task 1**

--1

create table sales\_order\_details (

order\_no varchar (6) primary key,

product\_no varchar (6),

qty\_ordered numeric (8),

qty\_disp numeric (8),

product\_rate numeric (10,2),

order\_date date not null

)

drop table sales\_order\_details

create table customer (

cid integer primary key,

cname varchar (25),

address varchar (25),

pno numeric (10)

)

drop table customer

create table cust\_order (

cid int references customer(cid),

order\_no varchar (6) references sales\_order\_details(order\_no)

)

drop table cust\_order

--2

insert into sales\_order\_details values ('123','321',5,3,50000,'2018-01-12')

insert into sales\_order\_details values ('456','654',4,2,40000,'2018-03-15')

insert into sales\_order\_details values ('789','987',3,1,55000,'2018-04-13')

insert into sales\_order\_details values ('012','210',6,3,75000,'2018-02-14')

insert into sales\_order\_details values ('345','543',7,5,45000,'2018-01-28')

insert into customer values(1,'Abc','Cba','1234567890')

insert into customer values(2,'Def','Fed','1234554321')

insert into customer values(3,'Ghi','Ihg','5432112345')

insert into customer values(4,'Jkl','Lkj','9876543210')

insert into cust\_order values (1,'123')

insert into cust\_order values (2,'456')

insert into cust\_order values (3,'789')

insert into cust\_order values (4,'012')

--3

select product\_no, qty\_ordered from customer c cross join cust\_order co cross join sales\_order\_details sod

where c.cid=co.cid

and co.order\_no=sod.order\_no

--4

select product\_rate from customer c,cust\_orderco,sales\_order\_details sod

where c.cid=co.cid

and co.order\_no=sod.order\_no

--5

select avg(qty\_ordered) from customer c,cust\_order co,sales\_order\_details sod

where c.cid=co.cid and co.order\_no=sod.order\_no and sod.product\_rate<=15000

--6

select sum(product\_rate) from customer c,cust\_order co,sales\_order\_details sod

where c.cid=co.cid

and co.order\_no=sod.order\_no and extract('month' from order\_date)=01

--7

select qty\_ordered from customer c,cust\_order co,sales\_order\_details sod

where c.cid=co.cid and co.order\_no=sod.order\_no and sod.qty\_ordered>10

--8

select cname , product\_no

from customer c,cust\_order co ,sales\_order\_details sod

where c.cid = co.cid

and co.order\_no = sod.order\_no

and qty\_ordered = (Select max(qty\_ordered) from customer c,cust\_order co ,sales\_order\_details sod

where c.cid = co.cid

and co.order\_no = sod.order\_no)