**EXERCISE : 6**

**SET :A**

create table clt23

(cno varchar2(15)primary key,

cname varchar2(15),

addr varchar2(15)

);

create table sorder

(ono number(3)primary key,

odate date,

cno varchar2(15)referengces clt23(cno)

ON DELETE CASCADE

);

===========================================================

1)insert into clt23 values('C003','Aditya','Kalyaninagar');

insert into clt23 values('C004','Aniket','Baramati');

===========================================================

2)insert into sorder values(1,'10feb18','C003');

insert into sorder values(2,'01mar19','C004');

insert into sorder values(3,'10feb18','C003');

===========================================================

3)

update sorder set odate='18mar19' where cno='C004';

===========================================================

4)

delete from sorder where odate ='10feb18';

===========================================================

5)

select \* from sorder order by odate;

ONO ODATE CNO

2 18-MAR-19 C004

**SET :B**

create table cust23

(cno number(3)primary key,

cname varchar2(15),

addr varchar2(15),

city varchar2(15) );

insert into cust23 values(1,'Sahil','Pune','Pimpri');

insert into cust23 values(2,'Salim','Pune','Pimpri');

insert into cust23 values(3,'aditya','hadapsar','Satavwadi');

insert into cust23 values(4,'rahul','Phursungi','Bhekrainagar');

===========================================================

create table loan23

(lno number(3)primary key,

lamt number(7)check(lamt>0) );

insert into loan23 values(100,1500000);

insert into loan23 values(101,1100000);

insert into loan23 values(102,500000);

insert into loan23 values(103,2500000);

select \* from loan23;

===========================================================

create table lcust23

(cno number(3)references cust23(cno)

ON DELETE CASCADE,

lno number(3)references loan23(lno)

ON DELETE CASCADE );

insert into lcust23 values(1,100);

insert into lcust23 values(2,101);

insert into lcust23 values(3,102);

insert into lcust23 values(4,103);

===========================================================

1)

select cust23.cname from cust23,loan23,lcust23 where lcust23.cno=cust23.cno and lcust23.lno=loan23.lno and loan23.lamt>1000000;

|  |
| --- |
| **CNAME** |
| Sahil |
| Sahil |
| Salim |
| rahul |

===========================================================

2)

select cname from cust23 where cname like 'Sa%';

|  |
| --- |
| **CNAME** |
| Sahil |
| Sahil |
| Salim |
| rahul |

3) select cust23.cname from cust23,loan23,lcust23 where cust23.cno=lcust23.cno and loan23.lno=lcust23.lno and cust23.city='Pimpri' order by cust23.cname desc;

4) select max(lamt) from loan23,cust23,lcust23 where cust23.cno=lcust23.cno and loan23.lno = lcust23.lno;

===========================================================5)select sum(lamt) from loan23,cust23,lcust23 where cust23.cno=lcust23.cno and loan23.lno = lcust23.lno;

**SET : C**

create table deptfy23

(dno number(3)primary key,

dname varchar2(15),

loc varchar2(15)

);

insert into deptfy23 values(1,'sales','baramati');

insert into deptfy23 values(2,'marketing','baramati');

insert into deptfy23 values(3,'compscience','baramati');

select \* from dept23;

===========================================================

create table employ23

(eno number(3)primary key,

ename varchar2(15),

addr varchar2(15),

sal number(10)check(sal>0),

desg varchar2(15),

dno number(3) references deptfy23(dno) on delete cascade

);

insert into employ23 values(101,'ranjit','baramati',80000,'hod',1);

insert into employ23 values(102,'jhadav','baramati',50000,'manager',1);

insert into employ23 values(103,'rahul','baramati',20000,'supervisor',2);

insert into employ23 values(104,'manish','baramati',30000,'assistant',3);

insert into employ23 values(105,'taher','baramati',10000,'clerk',3);

===========================================================

1)

select sum(employ23.sal) from employ23,deptfy23 where employ23.dno=deptfy23.dno and deptfy23.dname='compscience';

|  |
| --- |
| **SUM(EMPLOY23.SAL)** |
| 40000 |

===========================================================

2)

select distinct deptfy23.dname from employ23,deptfy23 where employ23.dno=deptfy23.dno and employ23.sal>10000;

DNAME

sales

compscience

marketing

===========================================================

3)

select count(employ23.eno) from employ23,deptfy23 where employ23.dno=deptfy23.dno;\

|  |
| --- |
| **COUNT(EMPLOY23.ENO)** |
| 5 |

===========================================================

4)

select deptfy23.dname, max(employ23.sal) FROM employ23, deptfy23 WHERE

employ23.dno = deptfy23.dno GROUP BY deptfy23.dname;

|  |  |
| --- | --- |
| **DNAME** | **MAX(EMPLOY23.SAL)** |
| sales | 80000 |
| compscience | 30000 |
| marketing | 20000 |

5)

select \* FROM employ23 order by dno;

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ENO** | **ENAME** | **ADDR** | **SAL** | **DESG** | **DNO** |
| 101 | ranjit | baramati | 80000 | hod | 1 |
| 102 | jhadav | baramati | 50000 | manager | 1 |
| 103 | rahul | baramati | 20000 | supervisor | 2 |
| 104 | manish | baramati | 30000 | assistant | 3 |
| 105 | taher | baramati | 10000 | clerk | 3 |

6)update employ23 set sal=sal+(sal\*15/100) where desg='manager';

===========================================================

7) delete from employ23 where desg='clerk';

===========================================================

===========================================================

**SET D**

create table depfy23

(dno number(3) primary key,

dname varchar2(15),

hod varchar2(15)

);

insert into depfy23 values(101,'sales','Mr.desai');

insert into depfy23 values(102,'marketing','Mr.raghav');

insert into depfy23 values(103,'accounting','Mr.yadav');

select \* from depfy23

create table project23

(pno number(3) primary key,

pname varchar2(15),

sdate date,

budget number(10),

status char(1)check(status in('c','P','I')),

dno number(3) references depfy23(dno) on delete cascade

);

insert into project23 values(201,'MahaSales','01-march-2023',800000,'c',101);

insert into project23 values(202,'New\_year\_sales','19-march-2023',900000,'P',101);

insert into project23 values(203,'2024\_sales','17-april-2023',900000,'I',101);

insert into project23 values(204,'Marketing Yudh','19-march-2023',900000,'P',102);

insert into project23 values(205,'marketing mania','19-september-2023',800000,'I',102);

insert into project23 values(206,'Finance2023','20-march-2023',900000,'c',103);

1)

select project23.pname,depfy23. \* from project23,depfy23 where project23.dno=depfy23.dno and project23.status ='c';

PNAME DNO DNAME HOD

MahaSales 101 sales Mr.desai

Finance202 103 accounting Mr.yadav

2)

SELECT depfy23.dname, SUM(project23.budget) AS department\_budget FROM depfy23,project23 WHERE depfy23.dno = project23.dno GROUP BY depfy23.dname;

|  |  |
| --- | --- |
| **DNAME** | **DEPARTMENT\_BUDGET** |
| accounting | 900000 |
| sales | 2600000 |
| marketing | 1700000 |
|  |  |

==========================================================

3) select pname,status,count(depfy23.dno) from project23,depfy23 where project23.dno=depfy23.dno and status='I' group by status,pname;

===========================================================

4)select depfy23.dname from depfy23,project23 where project23.dno=depfy23.dno and project23.budget>50000;

==========================================================

5) select project23.pname from depfy23,project23 where project23.dno=depfy23.dno and depfy23.hod='Mr.desai';

========================================================

**SET:E**

create table roomfy23

(rno number(3)primary key,

dsc varchar2(15),

rte number(5)

);

insert all

into roomfy23 values(1,'AC',2000)

into roomfy23 values(2,'NON-AC',1000)

into roomfy23 values(3,'NON-AC',2000)

into roomfy23 values(4,'NON-AC',800)

select \* from dual;

create table gst23

(gno number(3)primary key,

gname varchar2(15),

nofd number(2)check(nofd>0)

);

insert all

into gst23 values(100,'Rohit',2)

into gst23 values(101,'Naamdev',1)

into gst23 values(102,'Narayan',4)

into gst23 values(103,'Ratan',7)

select \* from dual;

1)select \* from roomfy23 order by rte asc;

========================================================

2) select gname from gst23 where nofd>3;

==========================================================

3) select count(rno) from roomfy23 where dsc='AC';

===========================================================

4) select sum(rte) from roomfy23 where dsc='NON-AC';

===========================================================

5) select gstfy23.gname from roomfy23,gstfy23 where gstfy23.rno=roomfy23.rno and

rte=(select max(rte) from roomfy23);

==========================================================

**SET:F**

create table bkfy23

(bno number(3)primary key,

title varchar2(10),

athr varchar2(15),

price number(4)check(price>0),

pyear number(4)

);

insert all

into bkfy23 values(1,'God','James R',200,2013)

into bkfy23 values(2,'Power','Michael l',100,2010)

into bkfy23 values(3,'Stories','Sudha M',150,2017)

into bkfy23 values(4,'Ravan','Sharad T',400,2016)

select \* from dual;

create table custfy23

(cno number(3)primary key,

cname varchar2(15),

addr varchar2(15)

);

insert all

into custfy23 values(100,'Aditya','Kalyaninagar')

into custfy23 values(101,'Mahesh','Suryanagari')

into custfy23 values(102,'Asha','Ashoknagar')

into custfy23 values(103,'Rani','Mumbai')

select \* from dual;

create table bcust23

(cno number(3)references custfy23(cno)

ON DELETE CASCADE,

bno number(3)references bkfy23(bno)

ON DELETE CASCADE,

qua number(3)

);

insert all

into bcust23 values(100,1,4)

into bcust23 values(101,2,2)

into bcust23 values(102,3,1)

into bcust23 values(103,4,5)

select \* from dual;

===========================================================1)select \* from custfy23 where addr='Mumbai';

===========================================================

2) select \* from bkfy23 order by athr;

===========================================================

3) select custfy23.cname from custfy23,bkfy23,bcust23 where custfy23.cno=bcust23.cno and bkfy23.bno=bcust23.bno and bkfy23.pyear=2013;

===========================================================

4) select custfy23.cname from custfy23,bkfy23,bcust23 where custfy23.cno=bcust23.cno and bkfy23.bno=bcust23.bno and bcust23.qua>3;

===========================================================

5) select \* from bkfy23 where price between 100 and 200 and pyear=2013;

===========================================================

**SET:H**

create table empfy23

(eno number(3)primary key,

ename varchar2(15),

skill varchar2(15),

payrate number(5)check(payrate>0)

);

insert all

into empfy23 values(1,'Aditya','Cooking',40000)

into empfy23 values(2,'Mahesh','Waiter',20000)

into empfy23 values(3,'Rajesh','Communication',45000)

into empfy23 values(4,'Ganapat','Cooking',35000)

into empfy23 values(5,'Lakshman','helper',14000)

select \* from dual;

create table postn23

(pno number(3)primary key,

skill varchar2(15)

);desc postn23;

insert all

into postn23 values(200,'Chef')

into postn23 values(201,'Waiter')

into postn23 values(202,'Manager')

into postn23 values(203,'Co-Chef')

into postn23 values(204,'Helper')

select \* from dual;

create table pemp23

(eno number(3)references empfy23(eno)

ON DELETE CASCADE,

pno number(3)references postn23(pno)

ON DELETE CASCADE,

day varchar2(10),

shift varchar2(8)

);

insert all

into pemp23 values(1,200,'Tuesday','Morning')

into pemp23 values(2,201,'Wednesday','Morning')

into pemp23 values(3,202,'Monday','Night')

into pemp23 values(4,203,'Thursday','Night')

into pemp23 values(5,204,'Friday','Night')

select \* from dual;

==========================================================

1. select empfy23.ename,empfy23.payrate from postn23,empfy23,pemp23 where postn23.pno=pemp23.pno and empfy23.eno=pemp23.eno;

=========================================================

1. select empfy23.eno from empfy23,postn23,pemp23 where postn23.pno=pemp23.pno and empfy23.eno=pemp23.eno and postn23.pno=201 and postn23.skill!='Waiter';

==========================================================

1. select distinct empfy23.ename from empfy23,postn23,pemp23 where postn23.pno=pemp23.pno and empfy23.eno=pemp23.eno and postn23.skill='Chef';

===========================================================

1. select empfy23.eno from empfy23,postn23,pemp23 where postn23.pno=pemp23.pno and empfy23.eno=pemp23.eno and pemp23.day='Tuesday';

=========================================================

5) SELECT distinct empfy23.ename,pemp23.shift,pemp23.day

FROM empfy23,postn23,pemp23 ORDER BY pemp23.shift;

==========================================================

**SET:I**

create table billfy23

(bno number(3)primary key,

day varchar2(10),

tno number(3),

total number(5)

);

insert all

into billfy23 values(300,'Sunday',1,1800)

into billfy23 values(301,'Friday',2,2100)

into billfy23 values(302,'Saturday',3,3000)

into billfy23 values(303,'Monday',4,800)

into billfy23 values(304,'Sunday',5,6000)

select \* from dual;

create table menu23

(dno number(3)primary key,

dsc varchar2(15),

price number(3)

);

insert all

into menu23 values(10,'Biryani',250)

into menu23 values(11,'Mutton',500)

into menu23 values(12,'Paneer',150)

into menu23 values(13,'Dal Makhani',100)

into menu23 values(14,'Jira Rice',90)

select \* from dual;

create table bmenu23

(bno number(3)references billfy23(bno)

ON DELETE CASCADE,

dno number(3)references menu23(dno)

ON DELETE CASCADE,

qua number(3),

dob date

);

insert all

into bmenu23 values(300,10,3,'8-jan-2013')

into bmenu23 values(301,11,4,'12-nov-2016')

into bmenu23 values(302,12,1,'06-mar-2011')

into bmenu23 values(303,13,6,'01-dec-2018')

into bmenu23 values(304,14,9,'10-oct-2023')

select \* from dual;

===========================================================

1. select billfy23.bno,menu23.dsc,menu23.price,bmenu23.qua,billfy23.total from bmenu23,billfy23,menu23 where bmenu23.bno=billfy23.bno and bmenu23.dno=menu23.dno;

==========================================================

2) select sum(billfy23.total) as Total\_Amount\_Collected

from billfy23,bmenu23,menu23 where billfy23.bno=bmenu23.bno and menu23.dno=bmenu23.dno and bmenu23.dob='8-jan-2013';

=========================================================

3)select count(menu23.dno) from billfy23,bmenu23,menu23 where billfy23.bno=bmenu23.bno and menu23.dno=bmenu23.dno and billfy23.bno=301;

=========================================================

4) select \* from menu23 where price between 100 and 200;

=========================================================

1. select tno, count(billfy23.bno) as Total\_Bill\_Count from billfy23,bmenu23,menu23 where billfy23.bno=bmenu23.bno and menu23.dno=bmenu23.dno and bmenu23.dob='1-dec-2013' group by tno;

======================================================================================================================