**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)references 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 |

**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 |

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

**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)