

**Lab Assignment–5**

*1. Create table emp which has the following attributes (employee table)*

*(@empno, ename, job, sal, deptno)*

*Where empno is primary key, ename is unique, job in (Prof, AP, and Lect), sal is not NULL, and deptno is foreign key*

**Statements:**

```
CREATE table emp(  
empno int PRIMARY KEY,  
ename varchar(20) UNIQUE,  
job varchar(35) CHECK(job in ('Prof', 'AP', 'Lect')),  
sal int NOT NULL,  
deptno int  
);
```

**Output:**

Table created.

*2. Create table dept which has the following attributes*

*(department table)*

*(@deptno, dname)*

*Where deptno is primary key, dname in (Acc, comp, elect)*

**Statements:**

```
CREATE table dept(  
deptno int PRIMARY KEY,  
dname varchar(5) CHECK(dname in ('Acc', 'comp', 'elect'))  
);
```

**Output:**

Table created.

*3. Create table S which has the following attributes (Salesperson table)*

*(@sno, sname, city)*

*Where sno is primary key*

**Statement:**

```
CREATE table S(  
sno int PRIMARY KEY,
```

```
sname varchar(30),  
city varchar(20)  
);
```

**Output:**

Table created.

*4. Create table P which has the following attributes (Part table)*

*(@pno, pname, color)*

*Where pno is primary key*

**Statements:**

```
CREATE table P(  
pno int PRIMARY KEY,  
pname varchar(30),  
color varchar(20)  
);
```

**Output:**

Table created.

5. Create table J which has the following attributes (ProJect table)

(@jno, jname, city)

Where jno is primary key

**Statements:**

```
CREATE table J(  
jno int PRIMARY KEY,  
jname varchar(30),  
city varchar(20)  
);
```

**Output:**

Table created.

6. Create table SPJ which has the following attributes

(@ (sno, pno, jno), qty)

Where combination of (sno, pno, jno) is primary key, also  
sno, pno, jno are foreign keys

**Statements:**

```
CREATE table SPJ(  
sno int REFERENCES S(sno),  
pno int REFERENCES P(pno),  
jno int REFERENCES J(jno),  
qty int,  
PRIMARY KEY(sno, pno, jno)  
);
```

**Output:**

Table created.

*7. Insert appropriate records in above tables.*

For table emp

**Statements:**

```
INSERT into emp values(101, 'Prachi', 'Prof', 20000, 03);  
INSERT into emp values(102, 'Ruhi', 'AP', 24000, 02);  
INSERT into emp values(103, 'Tanya', 'Lect', 11000, 01);  
SELECT * from emp;
```

**Output:**

EMPNO	ENAME	JOB	SAL	DEPTNO
102	Ruhi	AP	24000	2
103	Tanya	Lect	11000	1
101	Prachi	Prof	20000	3

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For table dept

**Statements:**

```
INSERT into dept values(1, 'Acc');
```

```
INSERT into dept values(2, 'comp');
```

```
INSERT into dept values(3, 'elect');
```

```
SELECT * from dept;
```

**Output:**

DEPNO	DNAME
1	Acc
2	comp
3	elect

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For table S

**Statements:**

```
INSERT into S values(100, 'Shaurya', 'Patiala');
```

```
INSERT into S values(101, 'Shruti', 'Chandigarh');
```

```
INSERT into S values(102, 'Saloni', 'Delhi');
```

```
SELECT * from S;
```

**Output:**

SNO	SNAME	CITY
100	Shaurya	Patiala
101	Shruti	Chandigarh
102	Saloni	Delhi

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For table P

**Statements:**

```
INSERT into P values(001, 'Prachi', 'Purple');
```

```
INSERT into P values(002, 'Paras', 'Blue');
```

```
INSERT into P values(003, 'Pinki', 'Pink');
```

```
SELECT * from P;
```

**Output:**

PNO	PNAME	COLOR
1	Prachi	Purple
2	Paras	Blue
3	Pinki	Pink

[Download CSV](#)For table J**Statements:**

```
INSERT into J values(010, 'Jashan', 'Gurgaon');
```

```
INSERT into J values(020, 'James', 'Mumbai');
```

```
INSERT into J values(030, 'Joshua', 'Chennai');
```

```
SELECT * from J;
```

**Output:**

JNO	JNAME	CITY
10	Jashan	Gurgaon
20	James	Mumbai
30	Joshua	Chennai

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For table SPJ

**Statements:**

INSERT into SPJ values(100, 003, 020, 1000);

INSERT into SPJ values(101, 002, 010, 1300);

INSERT into SPJ values(102, 001, 030, 2800);

SELECT \* from SPJ;

**Output:**

SNO	PNO	JNO	QTY
101	2	10	1300
100	3	20	1000
102	1	30	2800

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