

LAB RECORD

1BM19CS194

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6-D

LAB1

```
CREATE database Lab0;
```

```
USE Lab0;
```

```
CREATE table department(
```

```
    deptname varchar(5) primary key check(deptname in('CSE', 'ISE', 'ML'))
```

```
);
```

```
CREATE table employee(
```

```
    id int primary key,
```

```
    name varchar(30) not null,
```

```
    age int check(age > 0 and age <= 50),
```

```
    dept varchar(10),
```

```
    salary float,
```

```
    foreign key(dept) references department(deptname)
```

```
);
```

```
CREATE table project(
```

```
    id int not null,
```

```
eid int,  
title varchar(10),  
dept varchar(10),  
foreign key(dept) references department(deptname),  
foreign key(eid) references employee(id)  
);
```

```
CREATE table dependents(  
    eid int,  
    name varchar(10),  
    relation varchar(10),  
    foreign key(eid) references employee(id)  
);
```

```
INSERT into department values('CSE'), ('ISE'), ('ML');  
select * from department;
```

```
INSERT into employee values(10, 'Anitej', 35, 'CSE', 40000), (11, 'Batul', 30,  
'ISE', 45000), (12, 'Charan', 25, 'CSE', 60000), (13, 'Derek', 27, 'ML', 55000), (14,  
'Ermina', 31, 'ML', 30000);  
select * from employee;
```

```
INSERT into project values(1, 10, 'Arjun', 'CSE'), (2, 14, 'Bomesh', 'ISE'), (3, 13,  
'Calli', 'ML'), (4, 12, 'Dhanush', 'CSE'), (5, 12, 'Sooraj', 'ISE');  
select * from project;
```

```
INSERT into dependents values(10, 'Rohan', 'Son'), (12, 'Priya', 'Wife'), (14,  
'Pooja', 'Mother');
```

```
select * from dependents;
```

```
select * from employee where dept = 'CSE';
```

```
select dept,count(*) from employee group by dept;
```

```
select dept,count(*) from employee where salary >= 50000 group by dept;
```