

## **PART - B**

### **To open the database:**

```
mysql> use <your name>;
```

**Q1. Create two tables Emp\_master and Attendance with the following fields.**

**Emp\_master(emp\_id,ename,eaddr,phone,email,doj,dor),**

**Attendance (emp\_id,wom,mhrs,thrs,whrs,trhrs,fhrs,shrs,suhrs).**

**Identify Primary and Foreign keys, specify the not null property for mandatory keys. (Check constraint should be applied for wom<=5 and doj<dor).**

### **To create Emp\_master table:**

```
mysql> create table Emp_master
-> (emp_id varchar(4) primary key,
-> ename varchar(20) not null,
-> eaddr varchar(20) not null,
-> phone bigint(12),
-> email varchar(20) not null,
-> doj date,
-> dor date,
-> check (doj<dor));
```

```
mysql> insert into Emp_master(emp_id,ename,eaddr,phone,email,doj,dor)
-> values('E001','Mahesh','Udupi',9438466780,'mahe@gmail.com','2015-05-01','2020-06-22');
```

**Similarly insert 04 records.**

```
mysql> select * from Emp_master;
```

### **To create attnd table:**

```
mysql> create table attnd
-> (emp_id varchar(4),
-> wom int(1),
-> mhrs int(2),
-> thrs int(2),
-> whrs int(2),
-> trhrs int(2),
-> fhrs int(2),
-> shrs int(2),
-> suhrs int(2),
-> check (wom<=5),
-> foreign key (emp_id) references Emp_master (emp_id) on delete cascade);
```

```
mysql> insert into attnd(emp_id,wom,mhrs,thrs,whrs,trhrs,fhrs,shrs,suhrs)
-> values('E001',1,0,0,0,0,0,0,0);
```

**Similarly insert 04 records.**

```
mysql> select * from attnd;
```

**Execute the following queries:**

- a. Display ENAME and EMAIL of all employees who are working on a Sunday.**

```
mysql> select ename,email from Emp_master where emp_id in (select emp_id  
->from attnd where suhrs>0);
```

- b. Display total hours worked by employee Mahesh.**

```
mysql> select mhrs+thrs+whrs+trhrs+fhrs+shrs+suhrs "Mahesh Hours" from attnd where  
->emp_id=(select emp_id from Emp_master where ename='Mahesh');
```

- c. Display the names of the employees who never attended the duty so far.**

```
mysql> select ename from Emp_master where emp_id in (select emp_id from attnd where  
->mhrs+thrs+whrs+trhrs+fhrs+shrs+suhrs=0);
```

- d. Delete the records of the employees who are already retired.**

```
mysql> delete from Emp_master where dor<curdate();
```

```
mysql> select * from Emp_master;
```

- e. Display the names of the employees who have total no. of hours more than 20 hrs a week.**

```
mysql> select ename from Emp_master where emp_id in(select emp_id from attnd where  
->mhrs+thrs+whrs+trhrs+fhrs+shrs+suhrs>20);
```