

# SQL TEST

We have two MySQL database tables as per the details shown below:

1. Employee table is created using the following command:

```
CREATE TABLE EMPLOYEE (  
    EMP_ID      CHAR(6) NOT NULL,  
    DEPT_ID     CHAR(4) NOT NULL,  
    FIRST_NAME  CHAR(20) NOT NULL,  
    LAST_NAME   CHAR(20),  
    AGE INT,  
    SEX CHAR(1),  
    INCOME FLOAT,  
    DOJ DATETIME);
```

The above field names are self-explanatory. However, DOJ field refers to Date of Joining.

2. Department table is created using the following command:

```
CREATE TABLE DEPARTMENT(  
    DEPT_ID     CHAR(4) NOT NULL,  
    DEPT_NAME   CHAR(20),  
    EMP_ID      CHAR(6) NOT NULL);
```

The above field names are self-explanatory.

3. Leaves table is created using the following command:

```
CREATE TABLE IF NOT EXISTS leaves  
(  
    EMP_ID CHAR(6) NOT NULL,  
    LEAVE_START_DATE DATE,  
    LEAVE_END_DATE DATE,  
    LEAVE_DAYS TINYINT NOT NULL);
```

The above field names are self-explanatory.