


# 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.

EMP_ID	DEPT_ID	FIRST_NAME	LAST_NAME	AGE	SEX	INCOME	DOJ
7097	3	Yashnav	N	30	M	75099	1990-01-31 00:00:00
362	3	Saranya	G	61	F	93965	1990-01-31 00:00:00
6756	3	Sheshvan	R	53	M	9719	2001-04-11 00:00:00
771	3	Gina	N	57	F	26750	2001-04-11 00:00:00
7448	1	Praveen	F	57	M	43092	1998-10-31 00:00:00
146	1	Firaki	F	50	F	22605	1998-10-31 00:00:00
1819	5	Arun	E	51	M	79916	1993-11-03 00:00:00
778	5	Bianca	J	34	F	89213	1993-11-03 00:00:00
5045	4	Praveen	W	36	M	50089	2017-10-20 00:00:00
768	4	Hasina	I	38	F	41371	2017-10-20 00:00:00
3447	4	Vijay	J	40	M	12118	2004-01-22 00:00:00
878	4	Diana	I	64	F	54580	2004-01-22 00:00:00
1245	4	Sheshvan	Z	52	M	14901	2009-11-09 00:00:00
205	4	Aslesha	Y	50	F	8366	2009-11-09 00:00:00
7186	1	Alex	Q	31	M	64409	1990-01-31 00:00:00
106	1	Aslesha	Q	38	F	26731	1990-01-31 00:00:00
5114	5	Vijaychandra	G	33	M	73363	1993-11-03 00:00:00
 Console	5	Aslesha	B	47	F	98365	1993-11-03 00:00:00

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.

DEPT_ID	DEPT_NAME	EMP_ID
1	HR & Admin	HR00
2	Finance & Accounts	FA00
3	Production	PR00
4	Sales & Marketing	SM00
5	Purchase	PU00

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.

EMP_ID	LEAVE_START_DATE	LEAVE_END_DATE	LEAVE_DAYS
5114	2020-07-17	2020-07-20	4
1819	2020-02-07	2020-02-09	3
770	2020-05-29	2020-06-05	8
848	2020-04-02	2020-04-04	3
1245	2020-04-07	2020-04-07	1