# **DBMS LAB-4**

```
-- CREATION OF TABLES
SHOW DATABASES;
USE SUJ1;
CREATE TABLE DEPT (
  DEPTNO INT PRIMARY KEY,
  DNAME VARCHAR(100),
  DLOC VARCHAR(100));
CREATE TABLE EMPLOYEE (
  EMPNO INT PRIMARY KEY,
  ENAME VARCHAR(100),
  MGR_NO INT,
  HIREDATE DATE,
  SAL DECIMAL(10, 2),
  DEPTNO INT,
  FOREIGN KEY (DEPTNO) REFERENCES DEPT(DEPTNO));
CREATE TABLE INCENTIVES (
  EMPNO INT PRIMARY KEY,
  INCENTIVE_DATE DATE,
  INCENTIVE_AMOUNT DECIMAL(10, 2),
  FOREIGN KEY(EMPNO) REFERENCES EMPLOYEE(EMPNO));
CREATE TABLE PROJECT (
  PNO INT PRIMARY KEY,
  PNAME VARCHAR(100),
  PLOC VARCHAR(100));
CREATE TABLE ASSIGNED_TO (
```

```
EMPNO INT,

PNO INT,

JOB_ROLE VARCHAR(100),

PRIMARY KEY(EMPNO, PNO),

FOREIGN KEY(EMPNO) REFERENCES EMPLOYEE(EMPNO),

FOREIGN KEY(PNO) REFERENCES PROJECT(PNO));
```

#### -- INSERTION OF VALUES

#### **INSERT INTO DEPT VALUES**

(1,"SCIENCE","DELHI"),(2,"MATH","BANGLORE"),(3,"AI","BANGLORE"),(4,"DS","DELHI"),(5,"RES","CHENNAI");

INSERT INTO EMPLOYEE VALUES(11,"TRAVIS",3,'2012-10-03',2000,1),(12,"SCOTT",2,'2013-11-04',5000,2),(13,"MARTIN",1,'2020-09-12',3000,3),(14,"GARRIX",2,'2025-10-10',120000,4),(15,"LAYNE",3,'2024-09-09',2300,5);

INSERT INTO INCENTIVES VALUES( 11,'2023-06-06',1200),(12,'2022-03-03',1300),(13,'2023-09-09',1111),(14,'2012-03-04',1123),(15,'2012-04-03',11112);

### **INSERT INTO PROJECT**

VALUES(22,"CRICKET","CHENNAI"),(23,"BADMINTON","DELHI"),(24,"TENNIS","BANGLORE"),(25,"SQ UASH","DELHI"),(26,"TUGOFWAR","DELHI");

INSERT INTO ASSIGNED\_TO VALUES(11,23,"JOKER"),(12,24,"YO"),(13,24,"HI"),(14,25,"HEE"),(15,22,"NO");

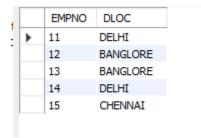
## -- QUERRIES

1. Retrieve the employee numbers of all employees who work on project located in Bengaluru, Delhi, Chennai

SELECT E.EMPNO,D.DLOC

FROM EMPLOYEE E, DEPT D

WHERE E.DEPTNO=D.DEPTNO AND D.DLOC IN("BANGLORE","DELHI","CHENNAI");



2. Get Employee ID's of those employees who didn't receive incentives

**SELECT E.EMPNO** 

FROM EMPLOYEE E, INCENTIVES I

WHERE E.EMPNO NOT IN(SELECT EMPNO FROM INCENTIVES);



3. Write a SQL query to find the employees name, number, dept, job\_role, department location and project location who are working for a project location same as his/her department location.

SELECT E.EMPNO,E.ENAME,D.DNAME,D.DLOC,A.JOB\_ROLE,P.PLOC

FROM EMPLOYEE E, ASSIGNED\_TO A, PROJECT P, DEPT D

WHERE (E.EMPNO=A.EMPNO)AND(A.PNO=P.PNO)AND(E.DEPTNO=D.DEPTNO)AND P.PLOC=D.DLOC;

