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,"SQUASH","DELHI"),(26,"TUGOFWAR","DELHI");

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

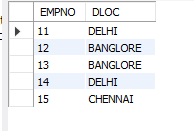
-- QUERRIES

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");

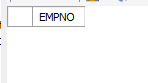


2. Get Employee ID’s of those employees who didn’t receive incentives

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;

