**EMPLOYEE DATABASE**

**QUERY 1:**

CREATE DATABASE EmployeeDB;

USE EmployeeDB;

CREATE TABLE Dept (

Dno INT PRIMARY KEY,

Dname VARCHAR(30),

Dloc VARCHAR(50)

);

CREATE TABLE Employee (

Eno INT PRIMARY KEY,

Ename VARCHAR(50),

Mgrno INT,

Hiredate DATE,

Sal DECIMAL(10,2),

Deptno INT,

FOREIGN KEY (Deptno) REFERENCES Dept(Dno)

);

CREATE TABLE Project (

Pno INT PRIMARY KEY,

Pname VARCHAR(50),

Ploc VARCHAR(50)

);

CREATE TABLE AggregateTo (

Eno INT,

Dno INT,

JobRole VARCHAR(50),

PRIMARY KEY (Eno),

FOREIGN KEY (Eno) REFERENCES Employee(Eno),

FOREIGN KEY (Dno) REFERENCES Dept(Dno)

);

CREATE TABLE Allocates (

Eno INT,

Pno INT,

Amount DECIMAL(10,2),

Adate DATE,

PRIMARY KEY (Eno, Pno),

FOREIGN KEY (Eno) REFERENCES Employee(Eno),

FOREIGN KEY (Pno) REFERENCES Project(Pno)

);

**QUERY 2:**

INSERT INTO Dept (Dno, Dname, Dloc) VALUES

(10, 'HR', 'Mumbai'),

(20, 'IT', 'Bangalore'),

(30, 'Finance', 'Delhi'),

(40, 'Marketing', 'Chennai'),

(50, 'Operations', 'Hyderabad');

INSERT INTO Employee (Eno, Ename, Mgrno, Hiredate, Sal, Deptno) VALUES

(101, 'Rajesh', NULL, '2019-03-12', 55000, 10),

(102, 'Sneha', 101, '2020-07-19', 48000, 20),

(103, 'Kiran', 101, '2021-01-25', 42000, 20),

(104, 'Priya', 102, '2022-05-10', 40000, 30),

(105, 'Aryan', 103, '2023-09-15', 38000, 20);

INSERT INTO Project (Pno, Pname, Ploc) VALUES

(201, 'Recruitment', 'Mumbai'),

(202, 'ERP Upgrade', 'Bangalore'),

(203, 'Audit System', 'Delhi'),

(204, 'Product Launch', 'Chennai'),

(205, 'Logistics Hub', 'Hyderabad');

INSERT INTO AggregateTo (Eno, Dno, JobRole) VALUES

(101, 10, 'Manager'),

(102, 20, 'Analyst'),

(103, 20, 'Coordinator'),

(104, 30, 'Accountant'),

(105, 20, 'Software Engineer');

INSERT INTO Allocates (Eno, Pno, Amount, Adate) VALUES

(101, 202, 1000, '2024-01-10'),

(102, 204, 500, '2024-06-25'),

(103, 204, 800, '2024-07-18'),

(104, 205, 600, '2024-09-12'),

(105, 202, 400, '2024-12-05');

SELECT \* FROM Dept;

SELECT \* FROM Employee;

SELECT \* FROM Project;

SELECT \* FROM AggregateTo;

SELECT \* FROM Allocates;

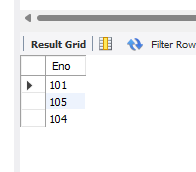
**QUERY 3:**

SELECT DISTINCT a.Eno

FROM Allocates a

JOIN Project p ON a.Pno = p.Pno

WHERE p.Ploc IN ('Bangalore', 'Hyderabad', 'Mysuru');



**QUERY 4:**

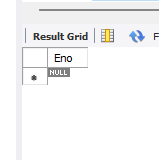
select e.Eno

from employee e

where Eno not in(

select Eno

from Allocates);



**QUERY 5:**

select E.Ename, E.Eno, D.Dname,a.jobrole, D.dloc,P.ploc

from Employee E,Dept D,AggregateTo a,project P

where D.Dno = E.Deptno and E.Eno = a.Eno and D.dloc = P.ploc ;

