31/10/2025 EMPLOYEE DATABASE 1BM24CS286

1) Using Scheme diagram, Create tables by properly specifying the primary keys and the foreign

keys.

create database employee\_;

use employee\_;

create table project(pno int primary key ,ploc varchar(20),pname varchar(20));

create table department(deptno int primary key ,dname varchar(20),dloc varchar(20));

create table employee(empno int primary key,ename varchar(20),mgr\_no int,hiredate date,sal int,deptno int,

foreign key (deptno) references department(deptno));

create table assigned\_to(empno int,pno int,job\_role varchar(20),

primary key(empno,pno),

foreign key(empno) references employee(empno),

foreign key(pno) references project(pno));

create table incentives(empno int,incentive\_date date,incentive\_amount decimal(10,2),

primary key(empno,incentive\_date),

foreign key(empno) references employee(empno));

2) Enter greater than five tuples for each table.

insert into project values (1,'Bengaluru','Fevver');

insert into project values (2,'Bengaluru','abc');

insert into project values (3,'Mysuru','xyz');

insert into project values (4,'Hyderabad','def');

insert into project values (5,'Hyderabad','ghi');

insert into department values (10,'info system','Bengaluru');

insert into department values (20,'tech system','Mysore');

insert into department values (30,'AI','Bengaluru');

insert into department values (40,'cybersecurity','Hyderabad');

insert into department values (50,'blockchain','Bengaluru');

insert into employee values (101,'Raju',101,'2012-03-04',100000,10);

insert into employee values (102,'Ravi',101,'2011-03-09',90000,10);

insert into employee values (103,'Xing',101,'2019-06-09',60000,20);

insert into employee values (104,'Soma',101,'2012-03-04',70000,30);

insert into employee values (105,'Krishna',101,'2012-03-04',50000,40);

insert into incentives values(101,'2019-01-01',20000.50);

insert into incentives values(102,'2019-02-01',3000.50);

insert into incentives values(103,'2019-03-01',3000.40);

insert into incentives values(104,'2019-04-01',4000.50);

insert into incentives values(105,'2019-05-01',500.50);

insert into assigned\_to values(101,1,'Manager');

insert into assigned\_to values(102,2,'Engineer');

insert into assigned\_to values(103,3,'Developer');

insert into assigned\_to values(104,4,'tester');

insert into assigned\_to values(105,5,'full stack developer');

3) Retrieve the employee numbers of all employees who work on project located in Bengaluru,

Hyderabad, or Mysuru.

select distinct a.empno

from assigned\_to a,project p,employee e

where p.pno=a.pno and e.empno=a.empno and p.ploc='bengaluru' ;



4) Get Employee ID’s of those employees who didn’t receive incentives

select e.empno

from employee e

where e.empno not in(

select a.empno from assigned\_to a

where a.empno=e.empno);



5) Write a SQL query to find the employees name, number, dept, job\_role, department location

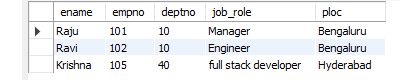
and project location who are working for a project location same as his/her department

location.

select distinct e.ename, e.empno , d.deptno, a.job\_role, p.ploc

from employee e,department d,project p,assigned\_to a

where e.deptno=d.deptno and e.empno=a.empno and p.pno=a.pno and p.ploc=d.dloc;



6)