**Zayd Ahmed**

**1BM21CS254**

**DBMS\_WEEK\_5**

create database employeees;

use employeees;

create table dept(

d\_no int,

d\_name varchar (10),

d\_loc varchar (30),

primary key(d\_no));

create table project(

p\_no int,

p\_loc varchar(20),

p\_name varchar(15),

PRIMARY KEY(p\_no));

create table employee(

emp\_no int,

emp\_name varchar(10),

mgr\_no int,

hiredate date,

sal real,

d\_no int,

primary key(emp\_no),

foreign key(d\_no) references dept(d\_no)

on update cascade on delete cascade);

create table incentives(

emp\_no int,

incentive\_date date,

incentive\_amt real,

primary key(incentive\_date),

foreign key(emp\_no) references employee(emp\_no)

on update cascade on delete cascade);

create table assigned(

emp\_no int,

p\_no int,

job\_role varchar(10),

foreign key(emp\_no) references employee(emp\_no)

on update cascade on delete cascade,

foreign key(p\_no) references project(p\_no)

on update cascade on delete cascade);

insert into dept values(100,'IT','mysore');

insert into dept values(200,'Marketing','patna');

insert into dept values(300,'HR','delhi');

insert into dept values(400,'finance','panaji');

insert into dept values(500,'logistics','bangalore');

insert into dept values(600,'accounts','ahmedebad');

insert into dept values(700,'design','hydrebad');

insert into project values(10,'mysore','alpha');

insert into project values(20,'patna','beta');

insert into project values(30,'delhi','gama');

insert into project values(40,'panaji','delta');

insert into project values(50,'bangalore','omega');

insert into project values(60,'ahmedebad','sin');

insert into employee values(01,'charlie',11,'2001-01-01',10000,500);

insert into employee values(02,'michel',22,'2002-02-02',15000,100);

insert into employee values(03,'suzan',33,'2003-03-03',20000,300);

insert into employee values(04,'velvet',44,'2004-04-04',25000,200);

insert into employee values(05,'june',55,'2005-05-05',30000,500);

insert into employee values(06,'july',66,'2006-06-06',35000,500);

insert into employee values(07,'automn',77,'2007-07-07',40000,400);

insert into employee values(08,'daisy',88,'2008-08-08',45000,100);

insert into employee values(09,'april',99,'2009-09-09',50000,200);

insert into employee values(10,'spring',111,'2010-10-10',55000,300);

insert into incentives values(01,'2021-05-11',1000);

insert into incentives values(03,'2022-04-20',1500);

insert into incentives values(05,'2021-09-10',2000);

insert into incentives values(07,'2022-06-21',2500);

insert into incentives values(09,'2021-04-17',3000);

insert into incentives values(10,'2022-10-19',3500);

insert into assigned values(01,20,'architect');

insert into assigned values(02,10,'peon');

insert into assigned values(03,30,'supervisor');

insert into assigned values(04,60,'assistant');

insert into assigned values(05,50,'mason');

insert into assigned values(06,50,'manager');

insert into assigned values(07,40,'medic');

insert into assigned values(08,60,'mechanic');

insert into assigned values(09,30,'engineer');

insert into assigned values(10,30,'maid');

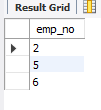
**Queries:-**

**Q. Retrieve the employee numbers of all employees who work on project located in Bengaluru, Hyderabad, or Mysuru**

**select emp\_no**

**from assigned a, project p**

**where a.p\_no = p.p\_no and p.p\_loc in ('mysore', 'hyderabad', 'bangalore');**

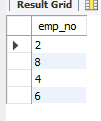
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**Q. Get Employee ID’s of those employees who didn’t receive incentives.**

**select distinct(e.emp\_no)**

**FROM employee e, incentives i**

**where e.emp\_no not in (select emp\_no from incentives);**

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**Q. 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.emp\_name,e.emp\_no,d.d\_name,a.job\_role,d.d\_loc,p.p\_loc**

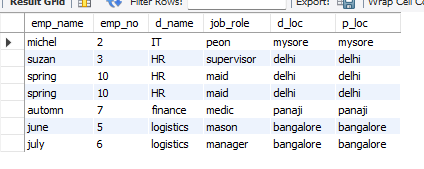
**from employee e, dept d, assigned a, project p**

**where d.d\_no=e.d\_no**

**and e.emp\_no=a.emp\_no**

**and a.p\_no=p.p\_no**

**and p.p\_loc=d.d\_loc;**

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