WEEK 5

EMPLOYEE DATABASE

```
create database employee_253;
use employee_253;
create table dept(
dept_no int,
d_name varchar(20),
d_loc varchar(20),
primary key (dept_no));
create table employee(
emp_no int,
e_name varchar(20),
mgr_no int,
hire_date date,
sal float,
dept_no int,
primary key(emp_no),
foreign key (dept_no) references dept(dept_no) on delete cascade on update cascade);
create table project(
p_no int,
p_loc varchar(20),
pname varchar(20),
primary key (p_no));
create table incentives(
emp_no int,
incentive_date date,
incentive_amount float,
primary key(emp_no,incentive_date));
 drop table incentives;
 create table incentives(
emp_no int,
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incentive_date date,
incentive_amount float,
primary key(emp_no,incentive_date),
foreign key (emp_no) references employee(emp_no) on delete cascade on update cascade);

create table assigned_to(
emp_no int,
p_no int,
job_role varchar(20),
primary key (emp_no,p_no),
foreign key (p_no) references project(p_no) on delete cascade on update cascade,
foreign key (emp_no) references employee(emp_no) on delete cascade on update cascade);

insert into dept values (1,'cyber security','Hyderabad'),(2,'Blockchain','Mysuru'),(3,'Cloud computing','Bangalore'),(4,'Web development','Bangalore'),(5,'Data analytics','Mumbai');

insert into employee values (101,'Ram',104,'2005-07-10',50000,3),(102,'Sam',104,'2008-03-27',55000,1),(103,'Hari',100,'2020-05-19',80000,2),(104,'Vishnu',108,'2016-08-23',75000,1),
(105,'Vinod',101,'2009-12-07',70000,5);

insert into project values (21,'Bangalore','webpage'),(22,'Mysuru','Google cloud'),(23,'Mumbai','App development'),(24,'Delhi','UI/UX'),(25,'Hyderabad','IOT');

insert into incentives values(101,'2005-11-03',10000),(102,'2009-12-07',20000),(103,'2021-05-06',25000),(104,'2018-07-06',20000);

insert into assigned_to values(101,22,'Fullstack dev'),(102,23,'Designer'),(103,21,'Data Analyst'),(104,24,'Cyber engineer'),(105,25,'Blockchain eng');
```
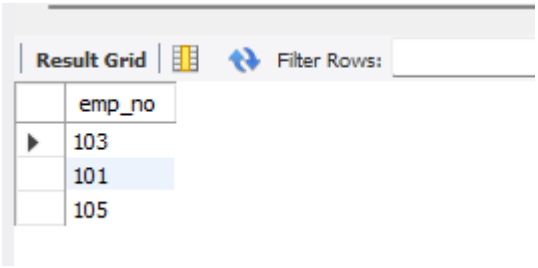

QUERY 1

Retreive employee no of all employess who work for projects located in Bangalore, Hyderabad, Mysuru.

select emp_no from project p, assigned_to a

where p.p_no=a.p_no and p.p_loc in ('Bangalore','Hyderabad','Mysuru');


Result Grid | Filter Rows:

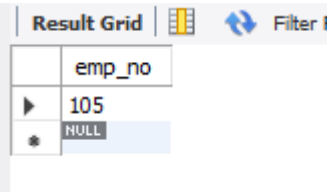
emp_no
103
101
105

QUERY 2

Get employee ID of those employees who did not receive incentives.

select emp_no from employee e

where e.emp_no not in(select emp_no from incentives);


Result Grid | Filter

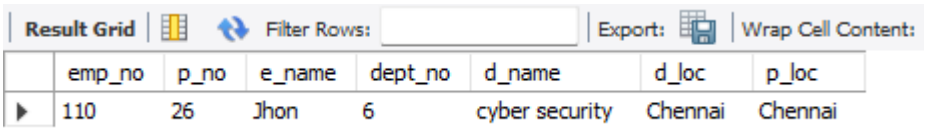
emp_no
105
NULL

n

QUERY 3

Write a query to find employee name, employee no., department, job role, department location who are working for a project location same as department location.

select a.emp_no, a.p_no, e.e_name,e.dept_no,d.d_name,d.d_loc,p.p_loc from assigned_to a, project p, employee e, dept d where a.p_no=p.p_no and a.emp_no=e.emp_no and e.dept_no=d.dept_no and p.p_loc=d.d_loc;


Result Grid | Filter Rows: | Export: | Wrap Cell Content:

emp_no	p_no	e_name	dept_no	d_name	d_loc	p_loc
110	26	Jhon	6	cyber security	Chennai	Chennai