

```
create database employee;

use employee;

create table dept(
dept_no int,
d_name varchar(10),
d_loc varchar(20),
primary key(dept_no)
);

create table emp(
emp_no int,
e_name varchar(10),
mgr_no int,
hiredate date,
sal real,
dept_no int,
primary key(emp_no),
foreign key (dept_no) references dept(dept_no)
);

create table incentives(
emp_no int,
incentive_date date,
incentive_amount real,
primary key(incentive_date),
foreign key (emp_no) references emp(emp_no)
);

create table project(
p_no int,
p_name varchar(20),
p_loc varchar(20),
primary key(p_no)
);
```

```
create table assigned_to(  
emp_no int,  
p_no int,  
job_role varchar(20),  
foreign key (emp_no) references emp(emp_no),  
foreign key (p_no) references project(p_no)  
);
```

```
insert into dept values(1,'CSE','Siddapur');
```

```
insert into dept values(2,'ISE','Sirsi');
```

```
insert into dept values(3,'ECE','Pune');
```

```
insert into dept values(4,'EEE','Hubli');
```

```
insert into dept values(5,'IM','Mumbai');
```

```
insert into dept values(6,'BT','Goa');
```

```
select *from dept;
```

```
insert into emp values(1,'Akash',7,'2020-01-12',20000,4);
```

```
insert into emp values(2,'Bhuvan',8,'2020-03-14',40000,1);
```

```
insert into emp values(3,'Chris',9,'2021-02-25',35000,2);
```

```
insert into emp values(4,'Kiran',10,'2021-11-30',60000,6);
```

```
insert into emp values(5,'Pavan',11,'2022-3-10',52000,3);
```

```
insert into emp values(6,'Santosh',12,'2022-5-24',48000,5);
```

```
select *from emp;
```

```
insert into project values(1,'pro1','Bengaluru');
```

```
insert into project values(2,'pro2','Pune');
```

```
insert into project values(3,'pro3','Hyderabad');
```

```
insert into project values(4,'pro4','Kerala');
```

```
insert into project values(5,'pro5','Mysuru');
```

```
insert into project values(6,'pro6','Sirsi');
```

```
select *from project;
```

```

insert into incentives values(1,'2021-01-12',00000);

insert into incentives values(2,'2021-12-12',8000);

insert into incentives values(3,'2022-06-09',6500);

insert into incentives values(4,'2022-11-29',0000);

insert into incentives values(5,'2023-05-30',9800);

insert into incentives values(6,'2023-08-17',7000);

select *from incentives;

```

```

insert into assigned_to values(1,1,'Developer');

insert into assigned_to values(2,2,'Assistant');

insert into assigned_to values(3,3,'Co-assistant');

insert into assigned_to values(4,4,'Organiser');

insert into assigned_to values(5,5,'Manager');

insert into assigned_to values(6,6,'Supervisor');

select *from assigned_to;

```

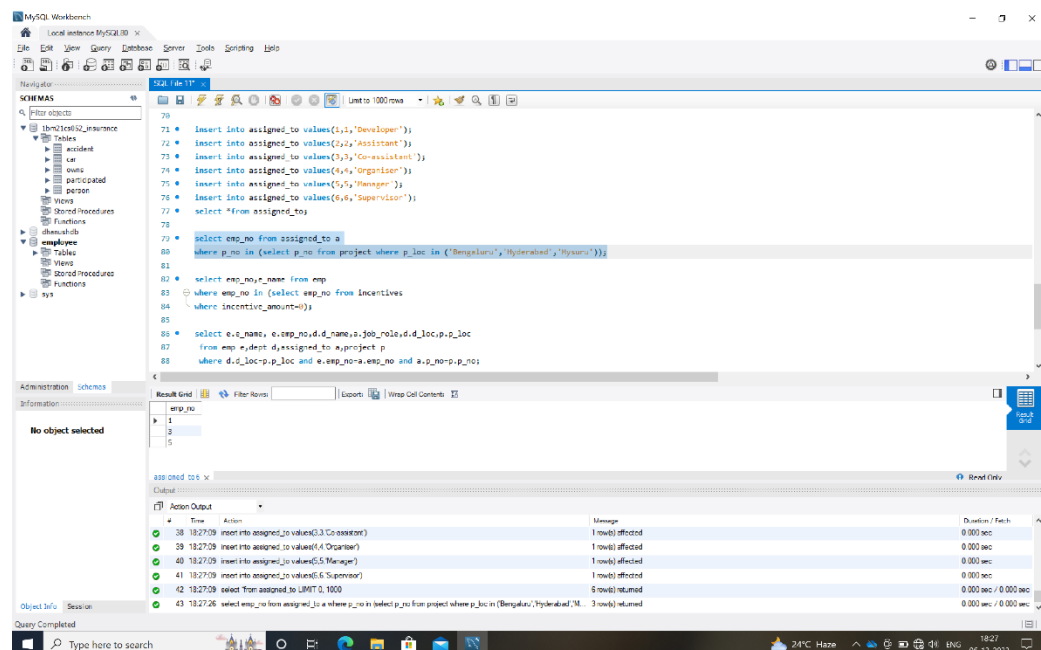
query

```

select emp_no from assigned_to a

where p_no in (select p_no from project where p_loc in ('Bengaluru','Hyderabad','Mysuru'));

```



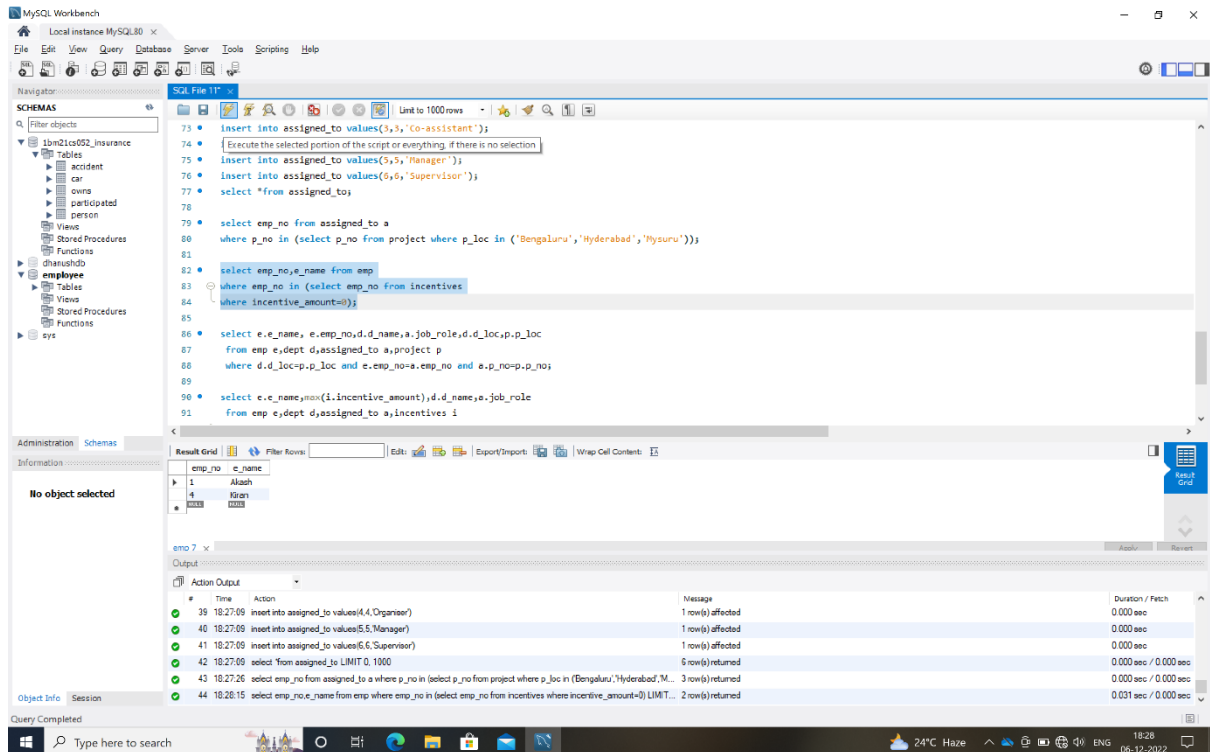
```

select emp_no,e_name from emp

where emp_no in (select emp_no from incentives

where incentive_amount=0);

```



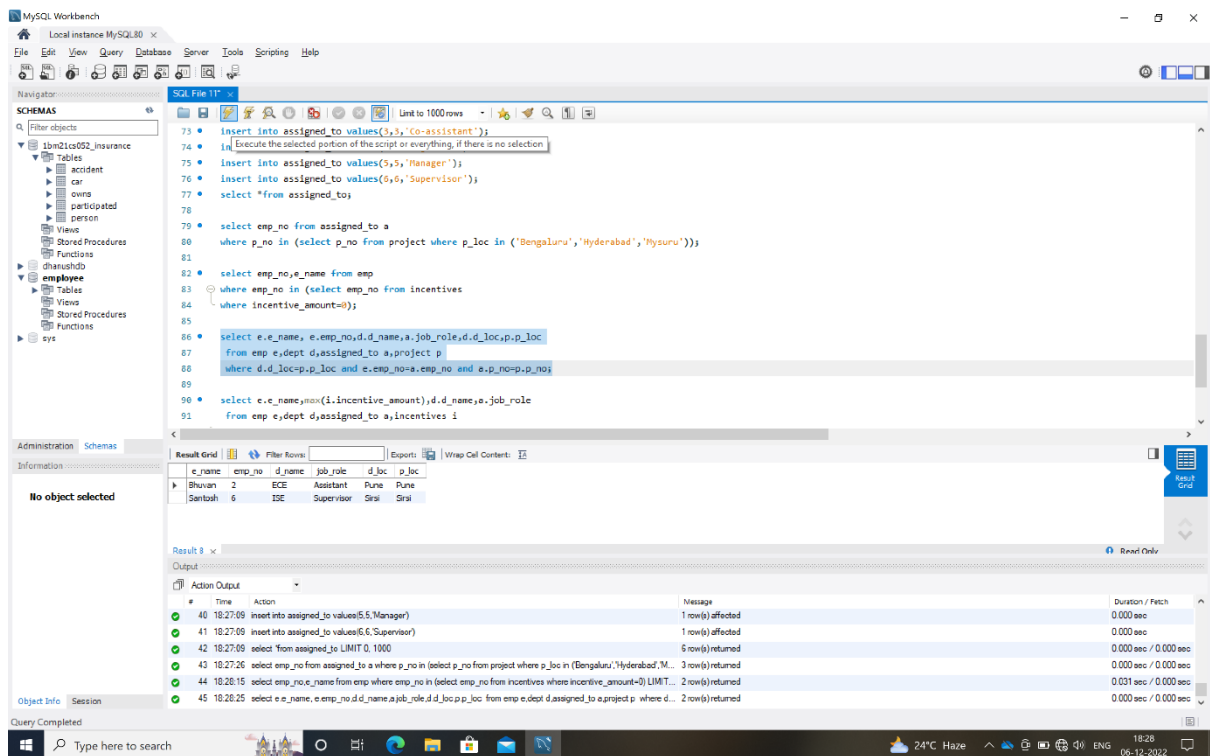
```

select e.e_name, e.emp_no,d.d_name,a.job_role,d.d_loc,p.p_loc

from emp e,dept d,assigned_to a,project p

where d.d_loc=p.p_loc and e.emp_no=a.emp_no and a.p_no=p.p_no;

```



```

select e.e_name,max(i.incentive_amount),d.d_name,a.job_role
from emp e,dept d,assigned_to a,incentives i
where e.emp_no in(select emp_no
from incentives
where incentive_amount=
(select max(incentive_amount)
from incentives
where incentive_date between'2022-01-01'and '2022-12-31'))
and d.dept_no=e.dept_no and a.emp_no=e.emp_no;

```

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

1bn21cs052_insurance

Tables

accident

car

owns

participated

person

Views

Stored Procedures

Functions

employee

Tables

Views

Stored Procedures

Functions

sys

SQL File 11'

Limit to 1000 rows

```
76 • Insert into assigned_to values(9,9,'Supervisor');
77 •
78 •
79 • select emp_no from assigned_to a
80 • where p_no in (select p_no from project where p_loc in ('Bengaluru','Hyderabad','Mysuru'));
81 •
82 • select emp_no,e_name from emp
83 • where emp_no in (select emp_no from incentives
84 • where incentive_amount=0);
85 •
86 • select e.e_name, e.emp_no,d.d_name,a.job_role,d.d_loc,p.p_loc
87 • from emp e,dept d,assigned_to a,project p
88 • where d.d_loc=p.p_loc and e.emp_no=a.emp_no and a.p_no=p.p_no;
89 •
90 • select e.e_name,max(i.incentive_amount),d.d_name,a.job_role
91 • from emp e,dept d,assigned_to a,incentives i
92 • where e.emp_no in(select emp_no
93 • from incentives
94 • where incentive_amount=
```

Administration Schemas

Information

No object selected

Result Grid

e_name	max(incentive_amount)	d_name	job_role
Chris	9800	ISE	Co-assistant

Result 9

Output

Action Output

#	Time	Action	Message	Duration / Patch
41	18:27:09	insert into assigned_to values(9,9,'Supervisor')	1 row(s) affected	0.000 sec
42	18:27:09	select * from assigned_to LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
43	18:27:26	select emp_no from assigned_to a where p_no in (select p_no from project where p_loc in ('Bengaluru','Hyderabad','M...	3 row(s) returned	0.000 sec / 0.000 sec
44	18:28:15	select emp_no,e_name from emp where emp_no in (select emp_no from incentives where incentive_amount=0) LIMIT...	2 row(s) returned	0.031 sec / 0.000 sec
45	18:28:25	select e.e_name, e.emp_no,d.d_name,a.job_role,d.d_loc,p.p_loc from emp e,dept d,assigned_to a,project p where d...	2 row(s) returned	0.000 sec / 0.000 sec
46	18:28:36	select e.e_name,max(i.incentive_amount),d.d_name,a.job_role from emp e,dept d,assigned_to a,incentives i where e...	1 row(s) returned	0.047 sec / 0.000 sec

Object Info Session

Query Completed

Type here to search

24°C Haze

18:28

06-12-2022