Task – Join two tables in a database
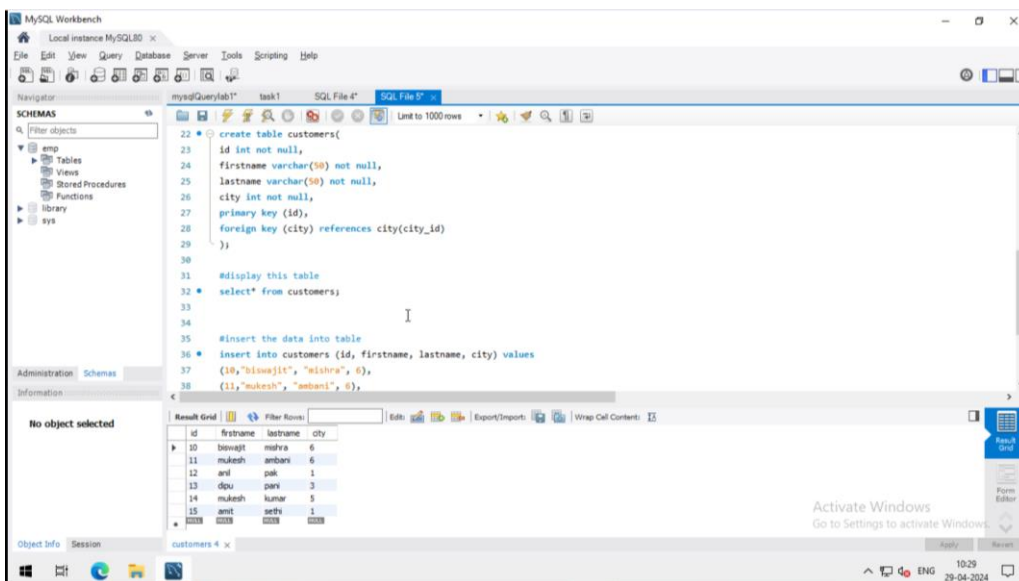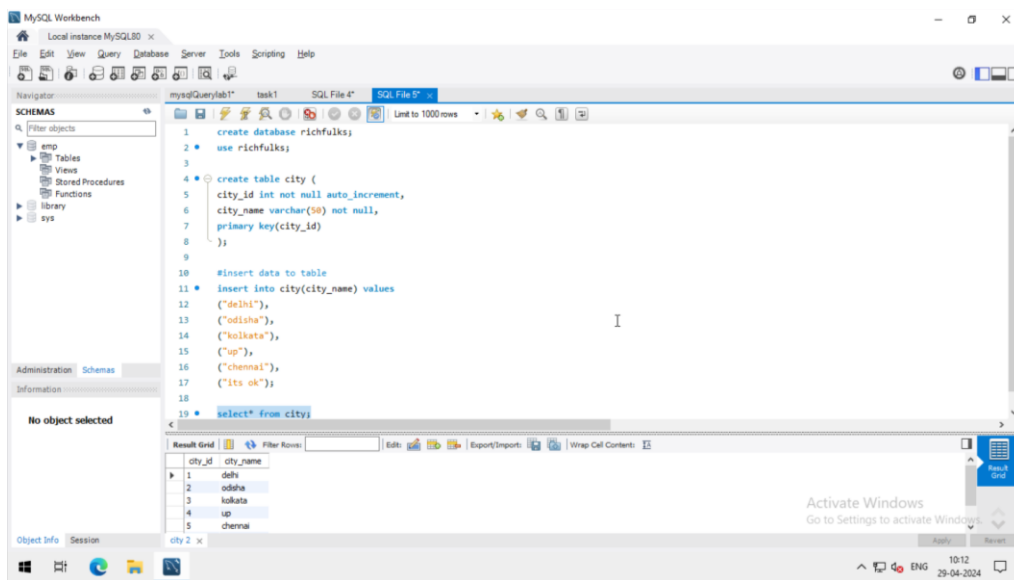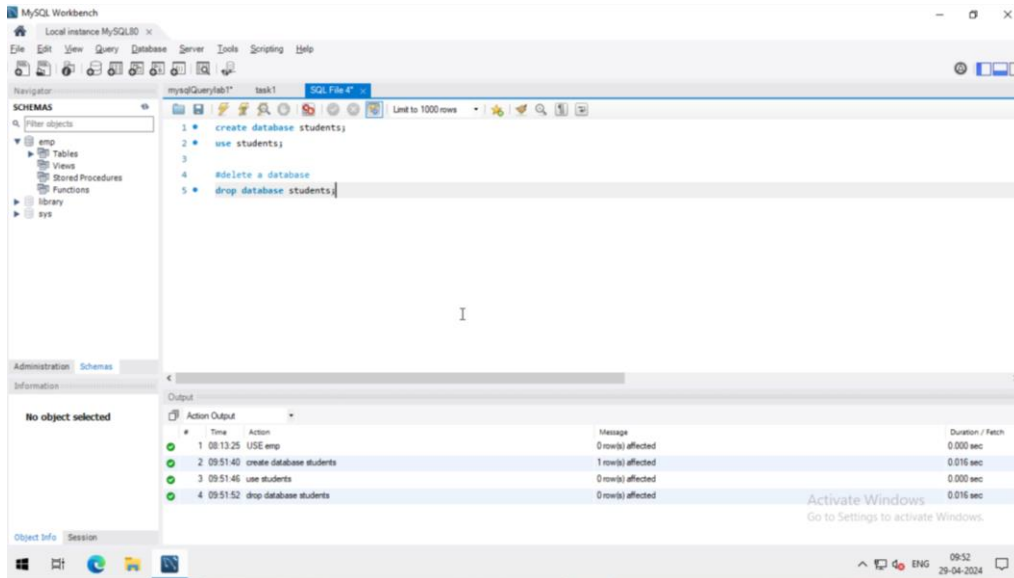
The first screenshot shows MySQL Workbench with SQL File 4 containing:
```sql
create database students;
use students;

#delete a database
drop database students;
```


The second screenshot shows MySQL Workbench with SQL File 5 containing:
```sql
create database richfulks;
use richfulks;

create table city (
city_id int not null auto_increment,
city_name varchar(50) not null,
primary key(city_id)
);

#insert data to table
insert into city(city_name) values
("delhi"),
("odisha"),
("kolkata"),
("up"),
("chennai"),
("its ok");

select* from city;
```


The third screenshot shows MySQL Workbench with SQL File 5 continued:
```sql
create table customers(
id int not null,
firstname varchar(50) not null,
lastname varchar(50) not null,
city int not null,
primary key (id),
foreign key (city) references city(city_id)
);

#display this table
select* from customers;

#insert the data into table
insert into customers (id, firstname, lastname, city) values
(10,"biswajit", "mishra", 6),
(11,"mukesh", "ambani", 6),
```

First screenshot — SQL File 5*

```sql
30
31      #display this table
32  •   select* from customers;
33
34
35      #insert the data into table
36  •   insert into customers (id, firstname, lastname, city) values
37      (10,"biswajit", "mishra", 6),
38      (11,"mukesh", "ambani", 6),
39      (12,"anil", "pak", 1),
40      (13,"dipu", "pani", 3),
41      (14,"mukesh", "kumar", 5),
42      (15,"amit", "sethi", 1);
43
44  •   select* from customers;
45  •   select* from city;
```

Result Grid:

id	firstname	lastname	city
10	biswajit	mishra	6
11	mukesh	ambani	6
12	anil	pak	1
13	dipu	pani	3
14	mukesh	kumar	5
15	amit	sethi	1
NULL	NULL	NULL	NULL

customers 4

10:29
29-04-2024

Second screenshot — SQL File 5*

```sql
47
48  •   select c.id, c.firstname, c.lastname, city.city_name from customers c inner join city on city.city_id= c.city;
49
50
51
52
53
54
55
56
57
58
```

Result Grid:

id	firstname	lastname	city_name
10	biswajit	mishra	its ok
11	mukesh	ambani	its ok
12	anil	pak	delhi
13	dipu	pani	kolkata
14	mukesh	kumar	chennai

Result 5

Read Only

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
13	10:29:03	insert into customers (id, firstname, lastname, city) values (10,"biswajit", "mishra", 6), (11,"mu...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.016 sec
14	10:29:14	select* from customers LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
15	10:38:00	select c.id, c.firstname, c.lastname, city.city_name from customers c inner join city on city.city...	6 row(s) returned	0.000 sec / 0.000 sec

10:38
29-04-2024