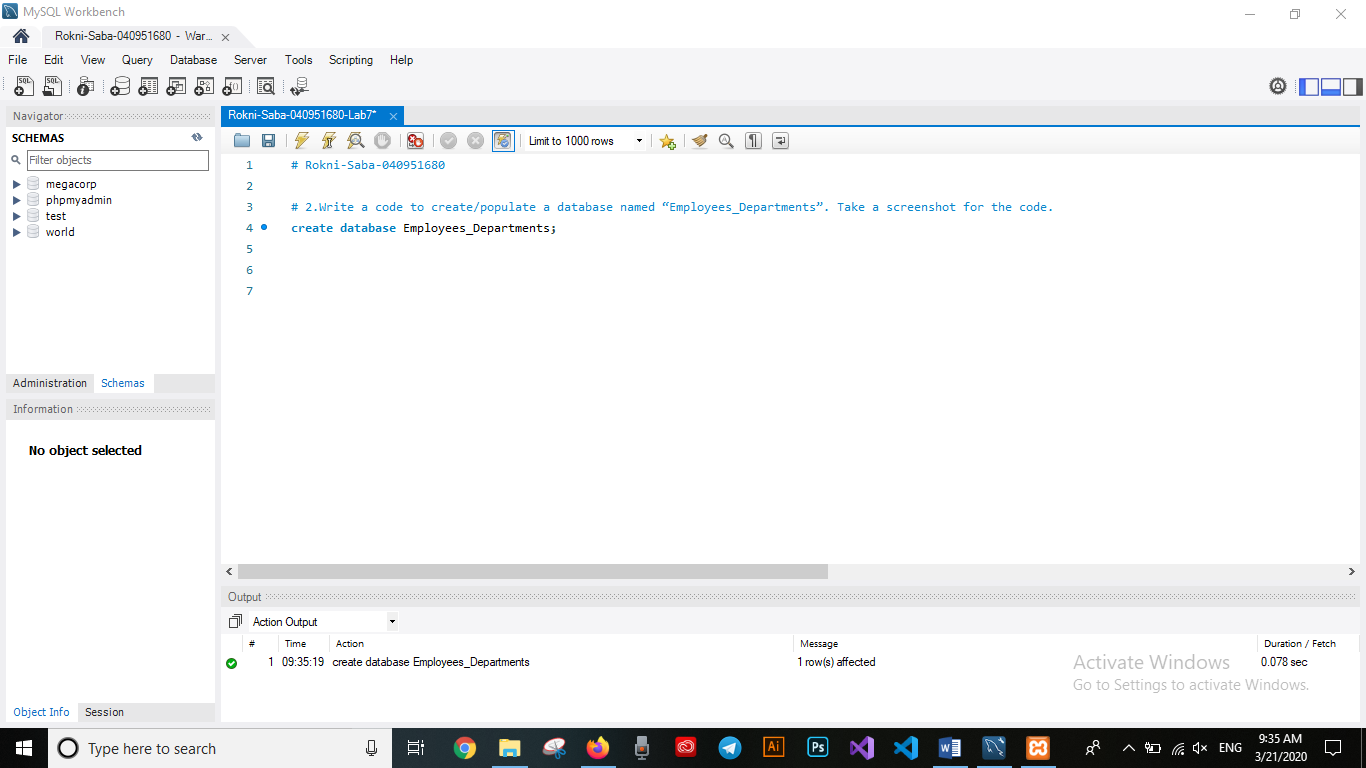
**Lab 7**

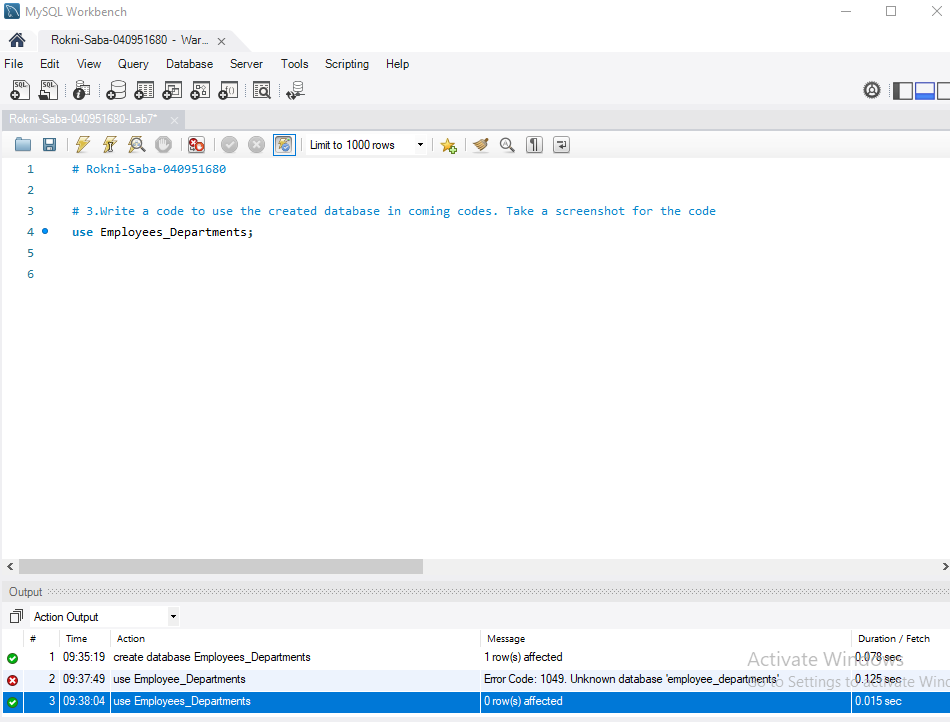
2.Write a code to create/populate a database named “Employees\_Departments”. Take a screenshot for the code.

**create database Employees\_Departments;**



3.Write a code to use the created database in coming codes. Take a screenshot for the code.

**use Employees\_Departments;**

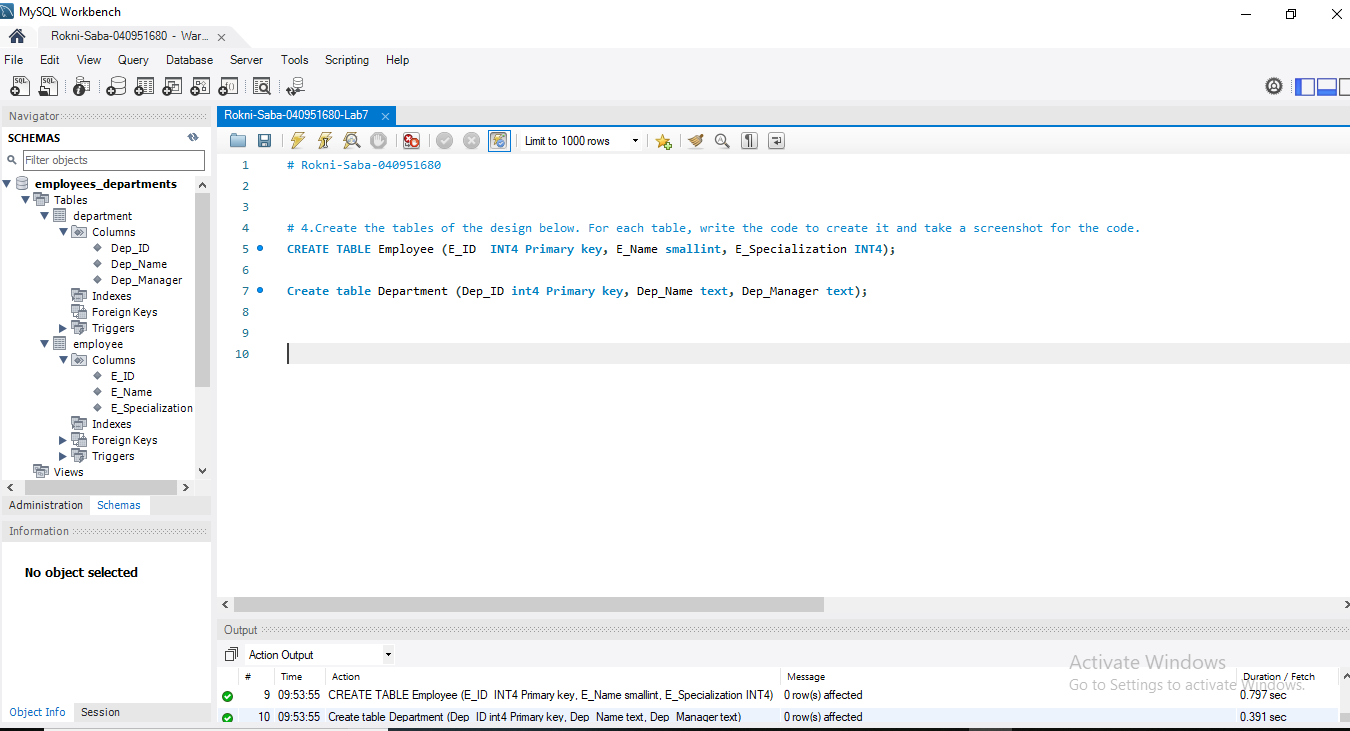


4.Create the tables of the design below. For each table, write the code to create it and take a screenshot for the code.

4-1>>

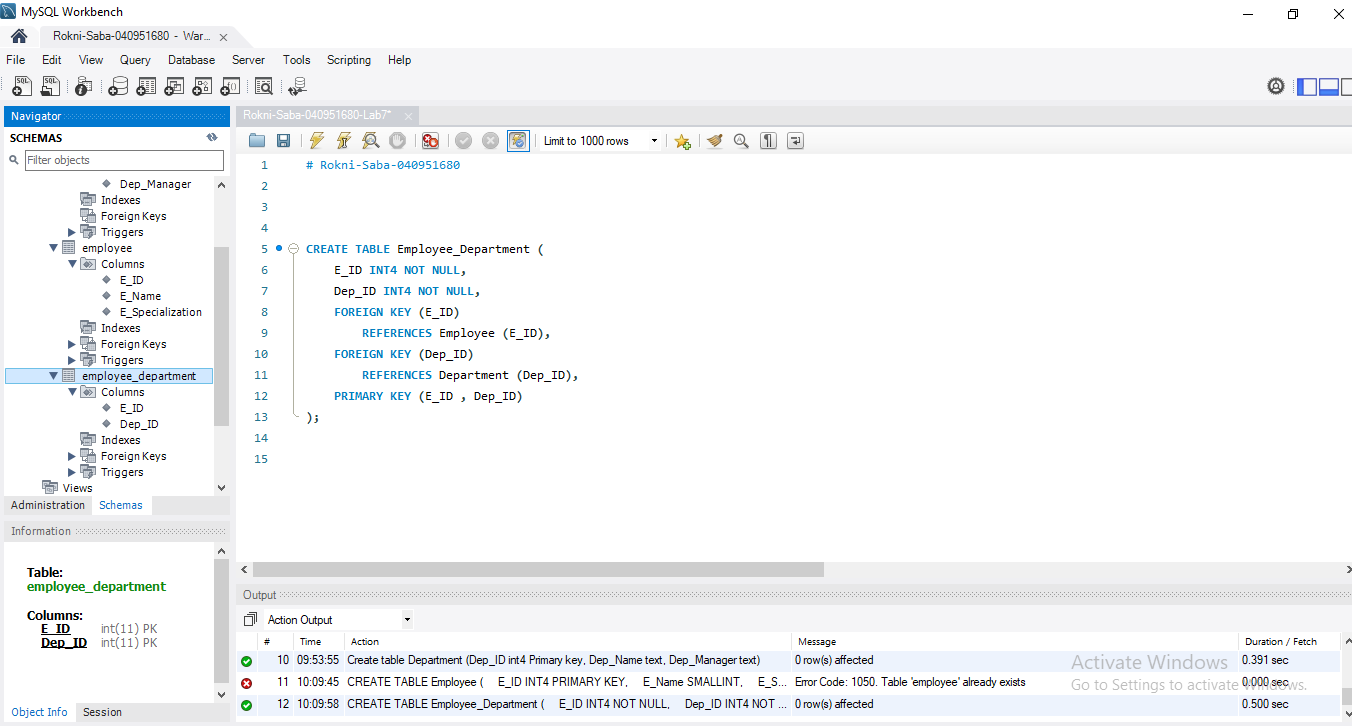
**CREATE TABLE Employee (E\_ID INT4 Primary key, E\_Name smallint, E\_Specialization INT4);**

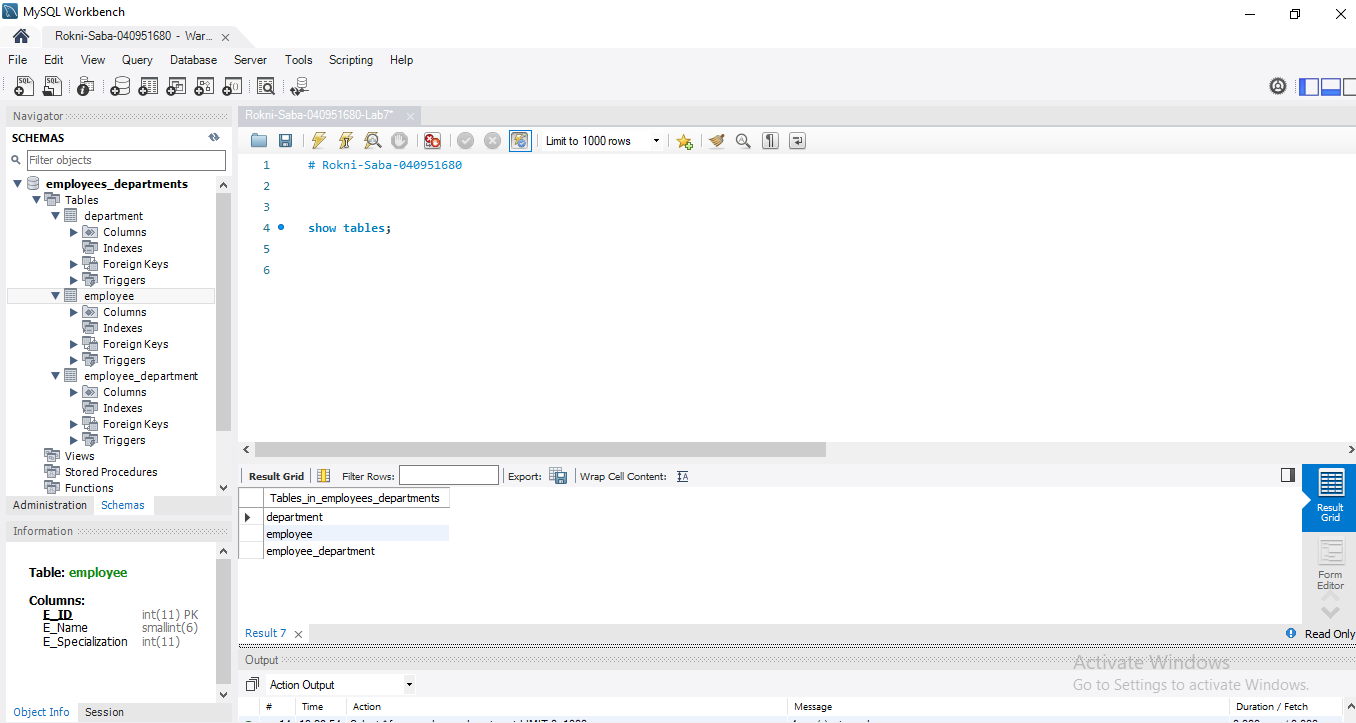
**Create table Department (Dep\_ID int4 Primary key, Dep\_Name text, Dep\_Manager text);**



4-2>>

**CREATE TABLE Employee\_Department (E\_ID INT4 NOT NULL, Dep\_ID INT4 NOT NULL, FOREIGN KEY (E\_ID) REFERENCES Employee (E\_ID), FOREIGN KEY (Dep\_ID) REFERENCES Department (Dep\_ID), PRIMARY KEY (E\_ID , Dep\_ID) );**

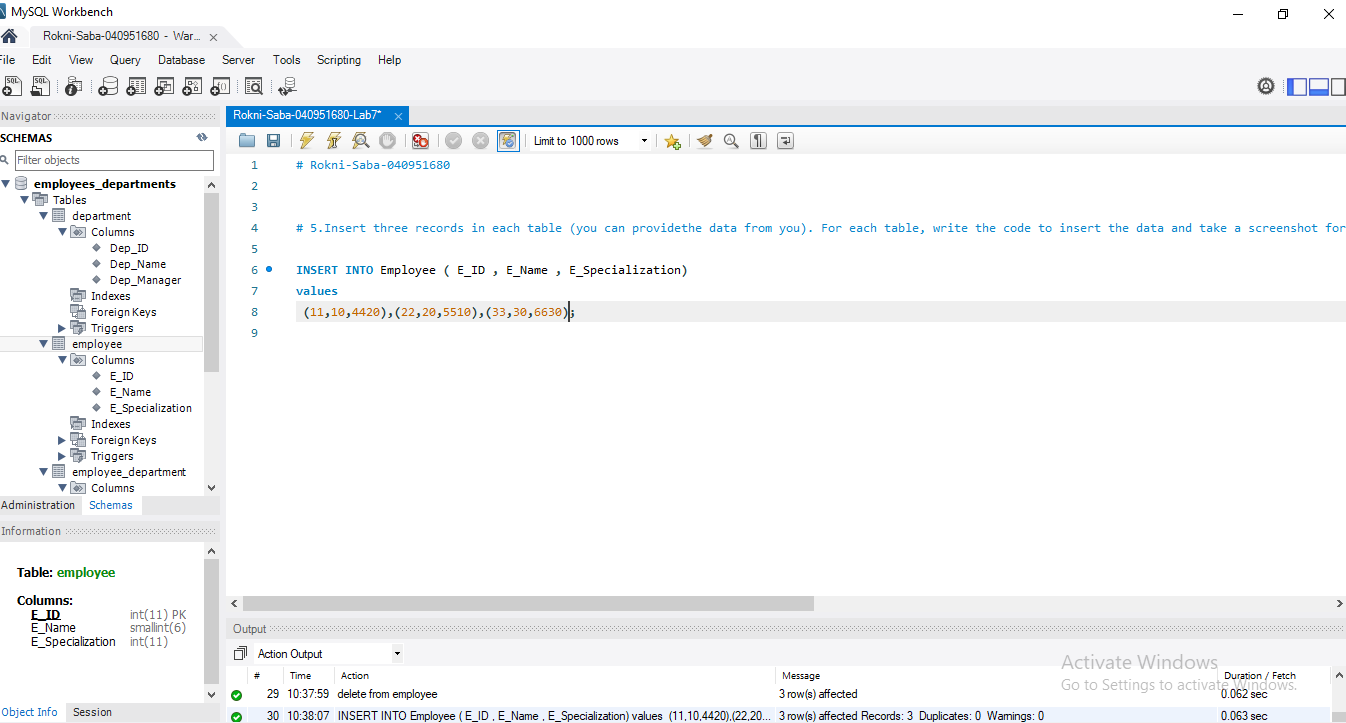




5.Insert three records in each table (you can providethe data from you). For each table, write the code to insert the data and take a screenshot for the code.

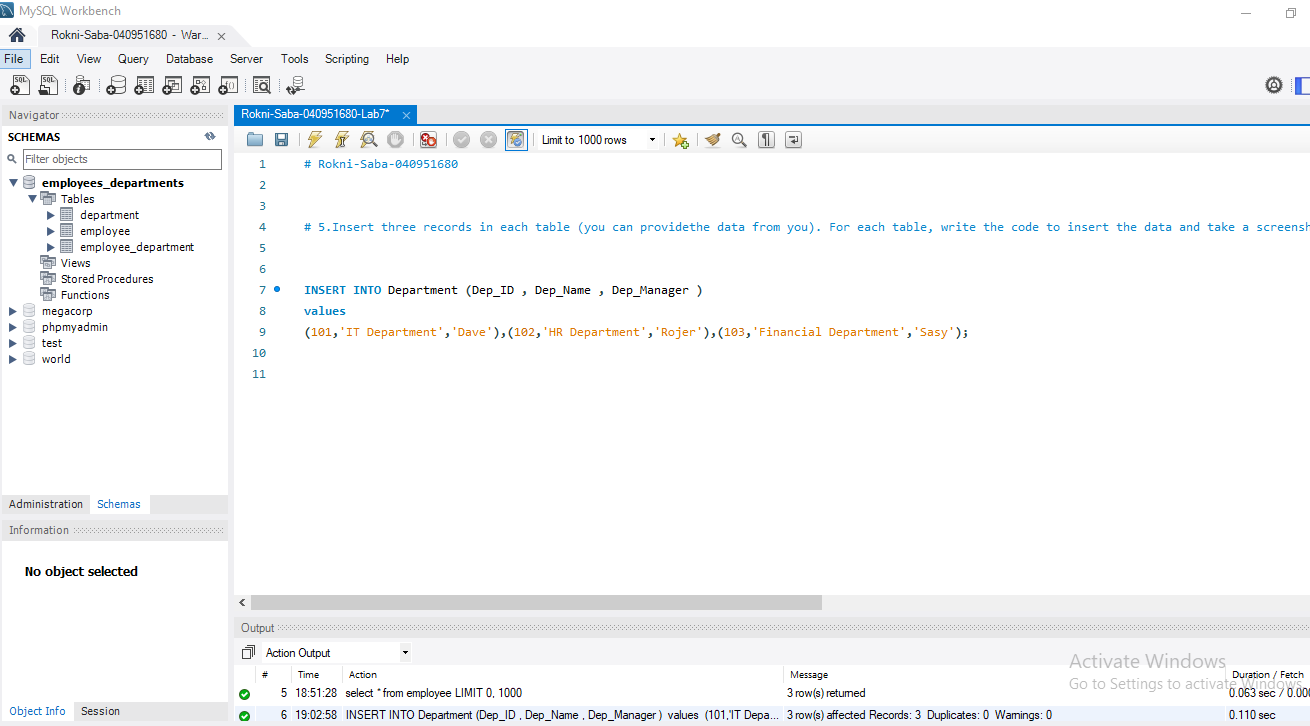
5.1>>

**INSERT INTO Employee ( E\_ID , E\_Name , E\_Specialization) values (11,10,4420) ,(22,20,5510) , (33,30,6630);**



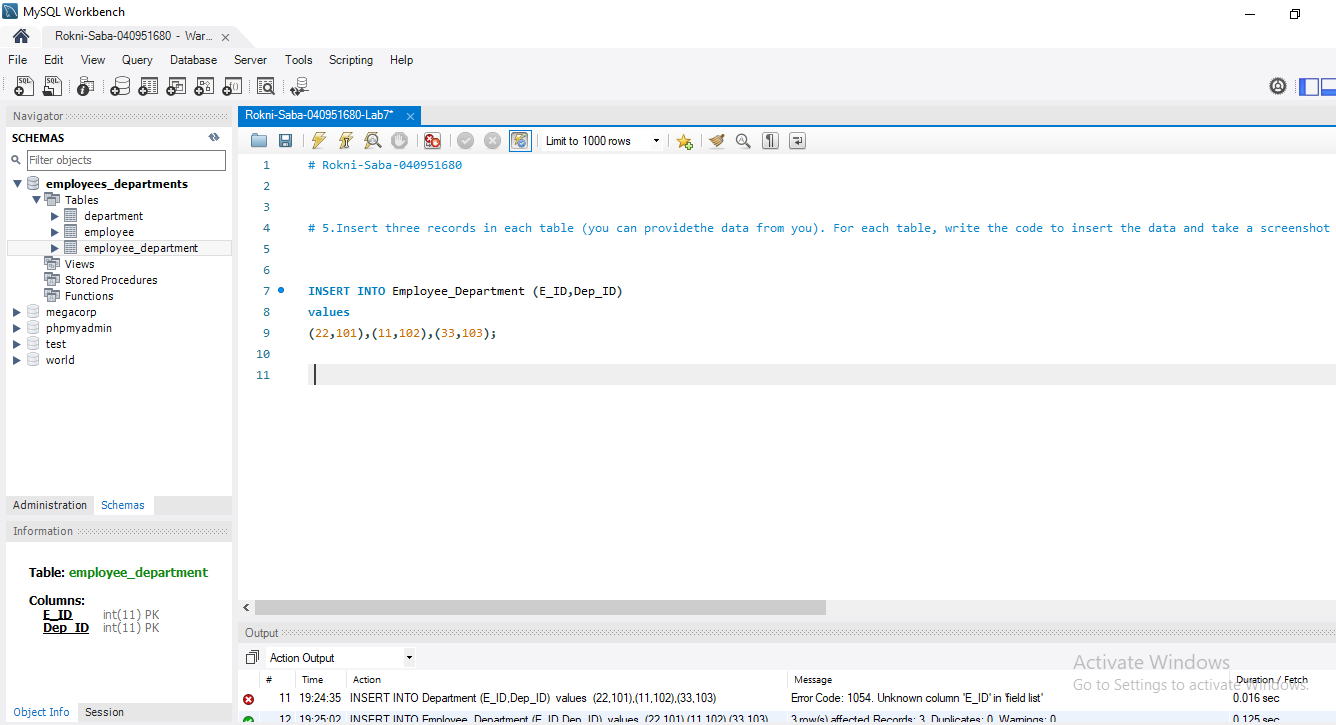
5.2 >>

**INSERT INTO Department (Dep\_ID , Dep\_Name , Dep\_Manager ) values (101,'IT Department','Dave') , (102,'HR Department','Rojer'),(103,'Financial Department','Sasy');**



5.3>>

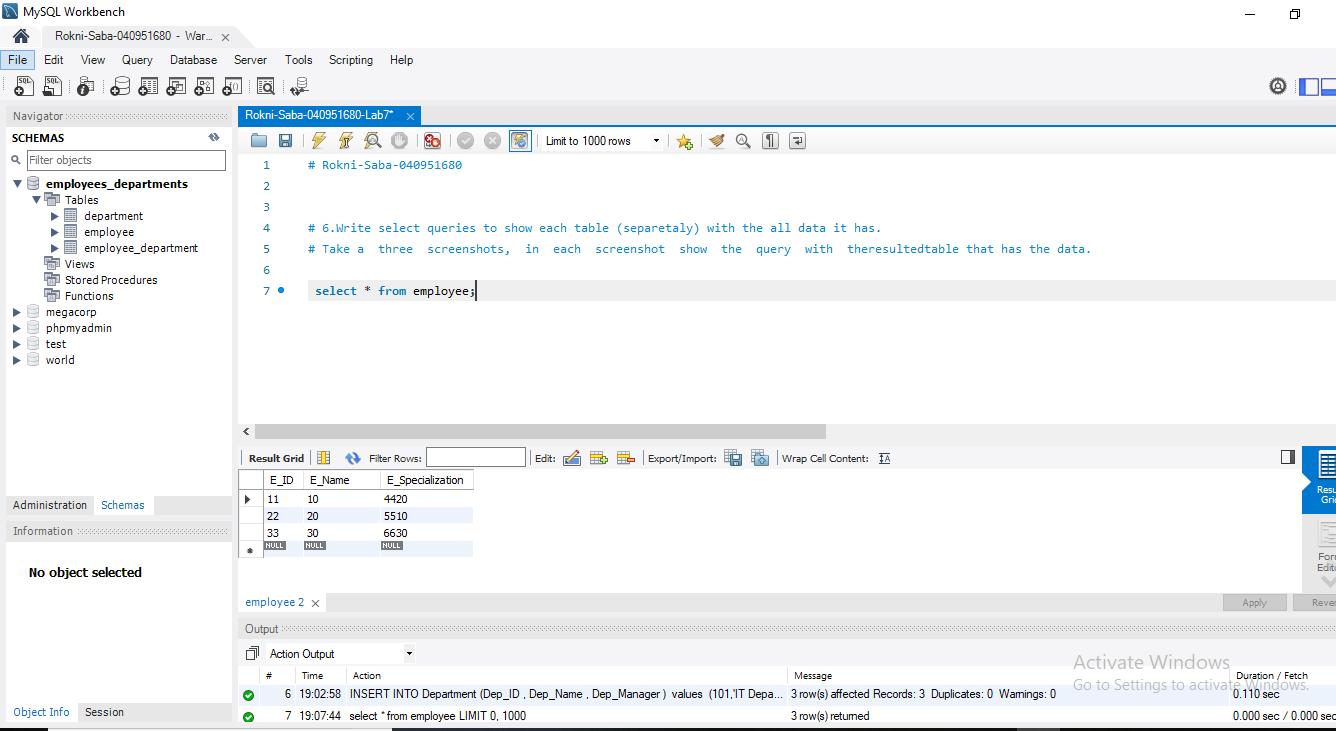
**INSERT INTO Employee\_Department (E\_ID,Dep\_ID) values (22,101),(11,102),(33,103);**



6.Write select queries to show each table (separately) with the all data it has. Take a three screenshots, in each screenshot show the query with the resulted table that has the data.

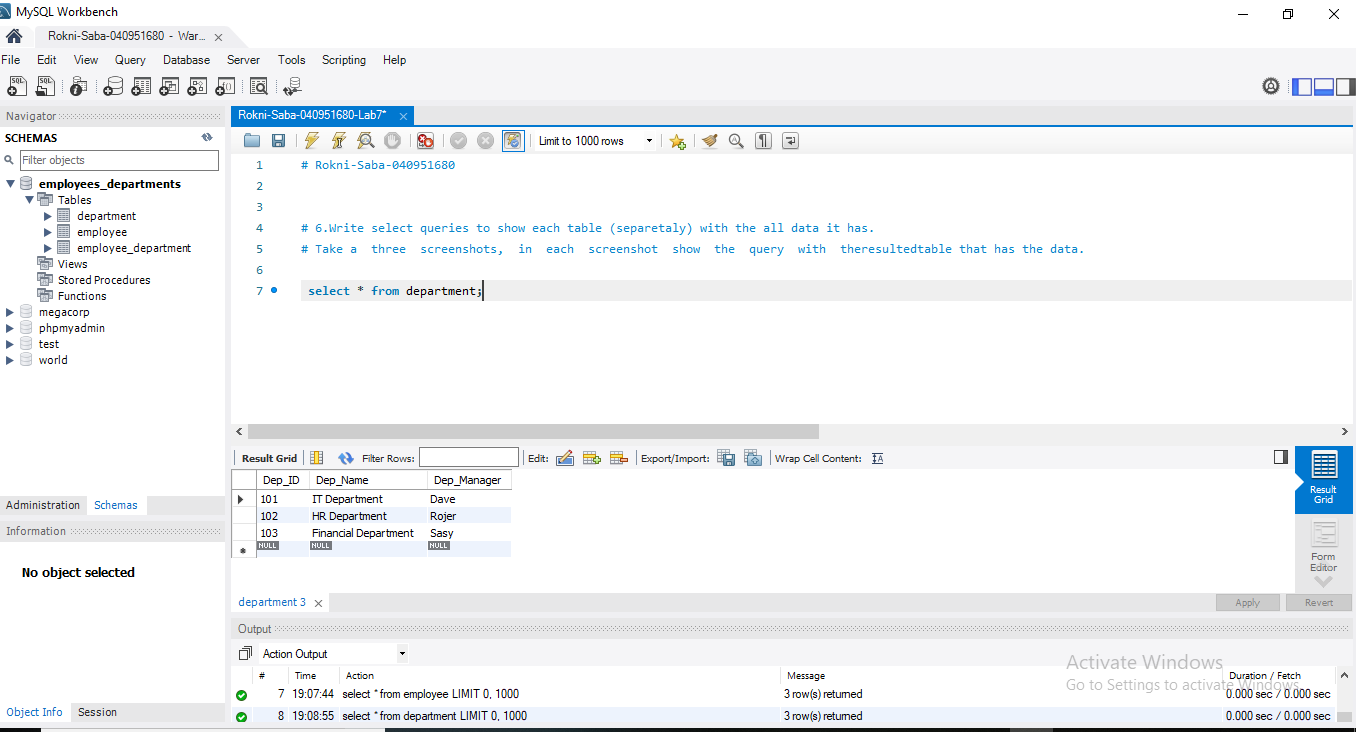
6.1>>

**select \* from employee;**



6.2>>

**select \* from department;**



6.3 >>

**select \* from employee\_department;**

