**MYSQL**

**QUESTION 1 -> 1.) Consider the Employee table and write SQL command to get the following.**

**Code:**

create database task;

use task;

create table employees(

empno int,

ename varchar(255),

job varchar(255),

mgr int,

hiredate varchar(255),

sal double,

comm double,

deptno int

);

select \* from employees;

insert into employees

(empno,ename,job,mgr,hiredate,sal,comm,deptno)

values

(8369 ,'SMITH', 'CLERK', 8902, '1990-12-18' ,800 ,NULL ,20),

(8499, 'ANYA', 'SALESMAN', 8698, '1991-02-20', 1600, 300.00, 30),

(8521, 'SETH', 'SALESMAN', 8698, '1991-02-22', 1250, 500.00, 30),

(8566, 'MAHADEVAN', 'MANAGER', 8839, '1991-04-02', 2985, NULL, 20),

(8654, 'MOMIN', 'SALESMAN', 8698, '1991-09-28', 1250, 1400.00, 30),

(8698, 'BINA', 'MANAGER', 8839, '1991-05-01', 2850, NULL, 30),

(8782, 'SHIVANSH', 'MANAGER', 8839, '1991-06-09', 2450, NULL, 10),

(8882, 'SCOTT', 'ANALYST', 8566, '1992-12-09', 3000, NULL, 20),

(8839, 'AMIR', 'PRESIDENT', NULL, '1991-11-18', 5000, NULL, 10),

(8844, 'KULDEEP', 'SALESMAN', 8698, '1991-09-08', 1500, 0.00, 30)

;

delete from employees where empno=8369 limit 1;

alter table employees rename column enmae to ename;

select ename,sal from employees where sal>=2200;

select \* from employees where comm is null;

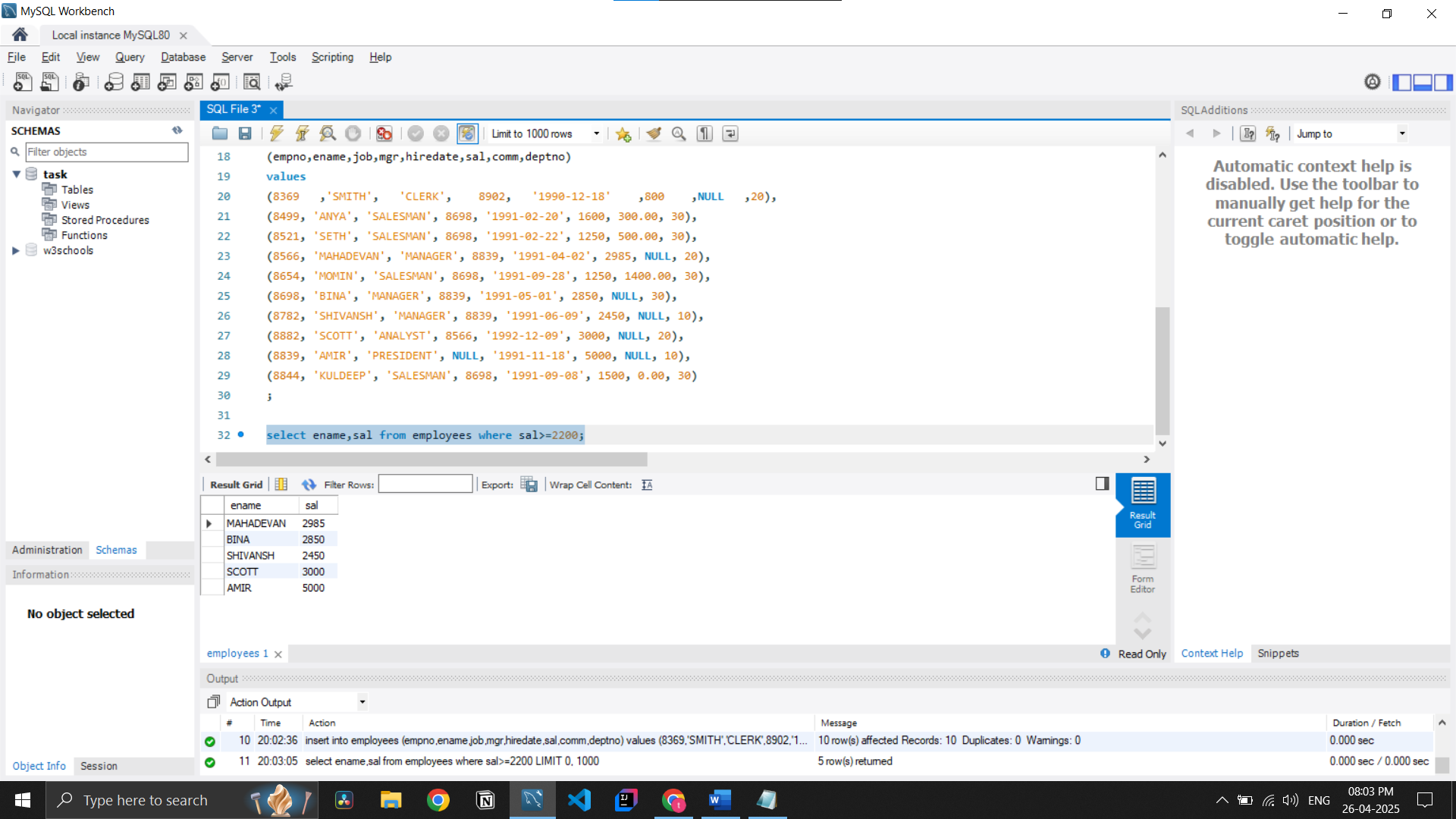
select ename,sal from employees where sal between 2500 and 4000;

select ename,job,sal from employees where mgr is null;

select ename from employees where ename like '\_\_\_A%';

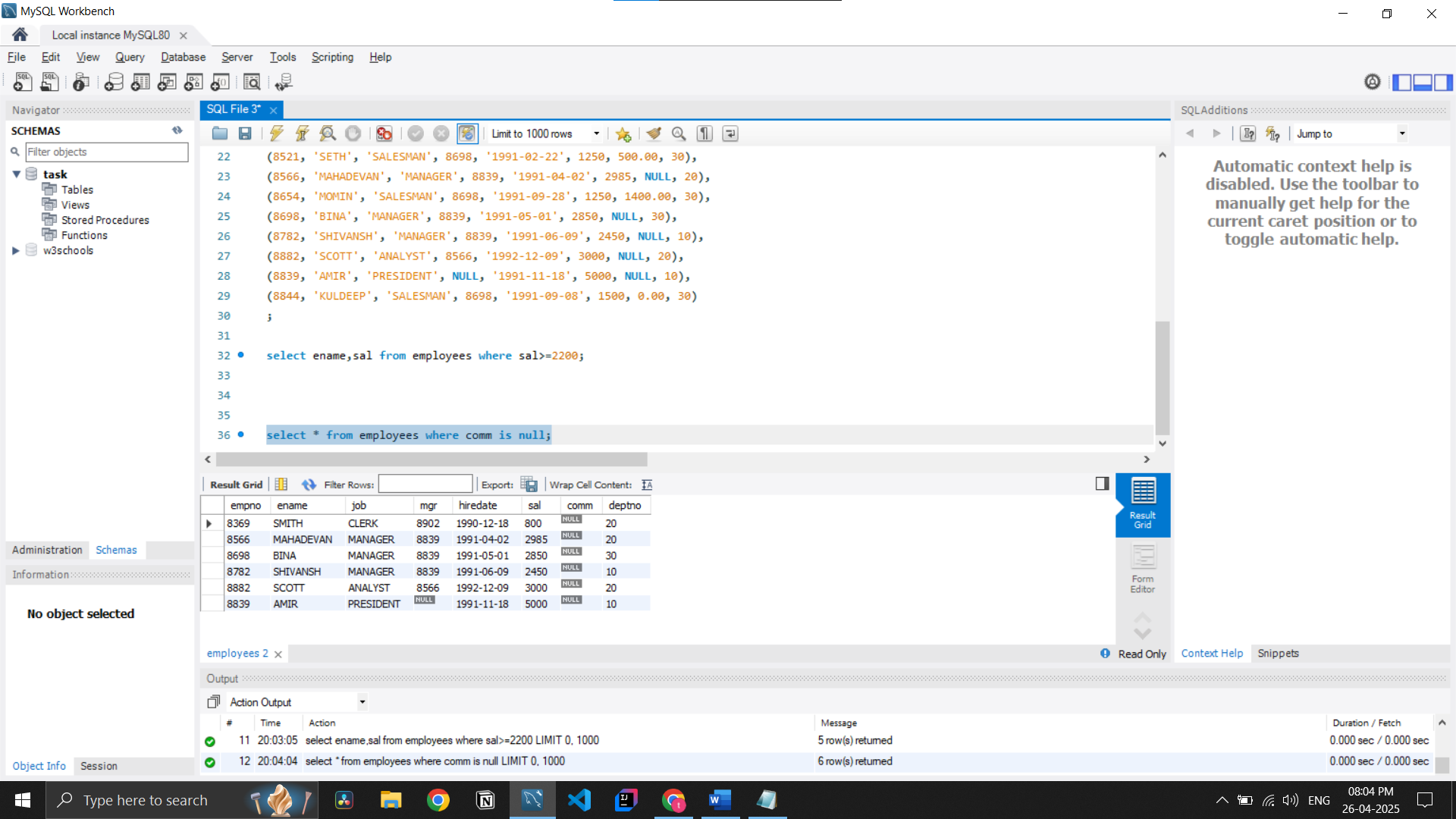
select ename from employees where ename like '%t%';

1. **Write a query to display EName and Sal of employees whose salary are greater than or equal to 2200?**

select ename,sal from employees where sal>=2200;  


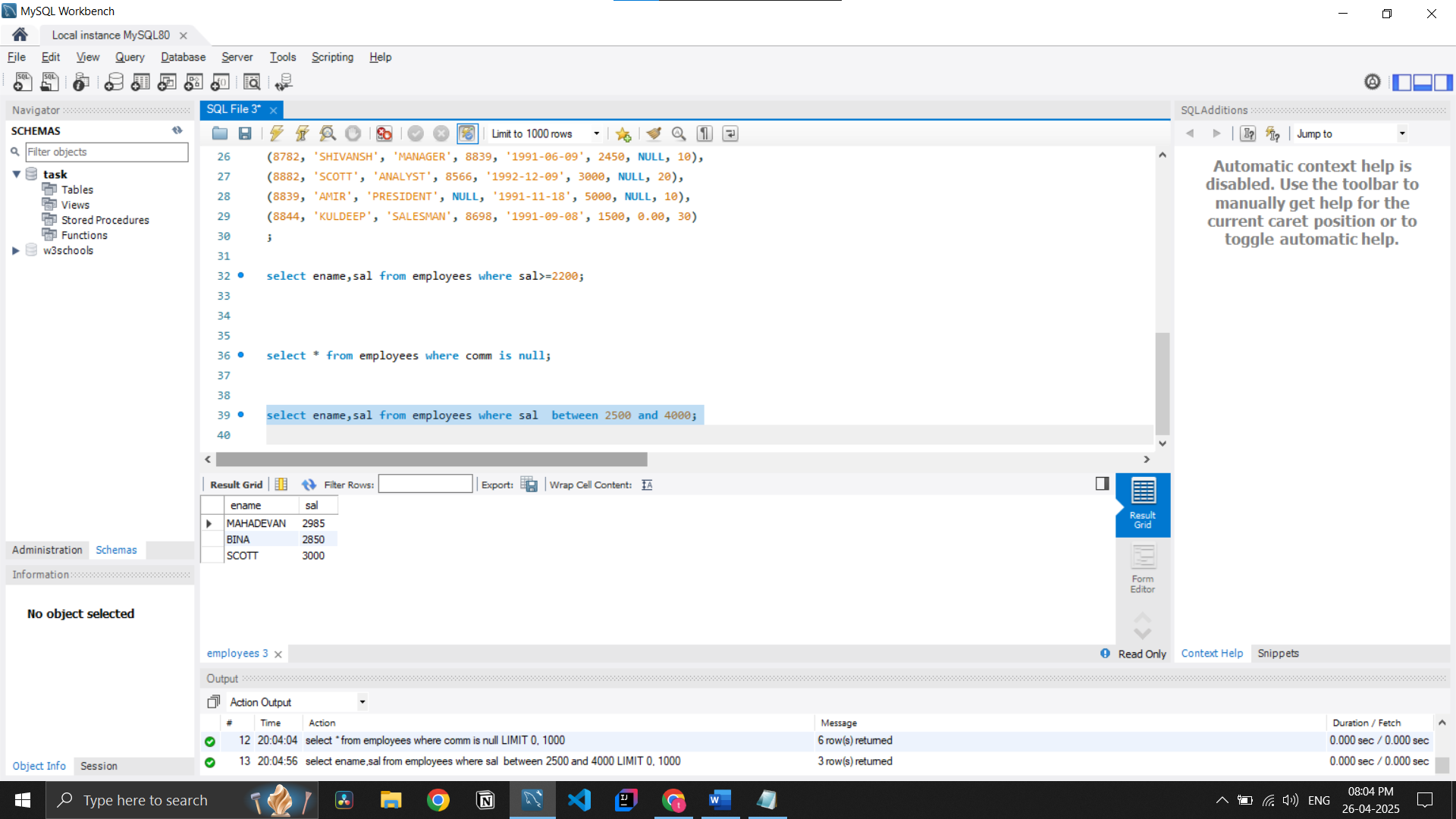
1. **Write a query to display details of** employees **who are not getting commission?**

**select \* from employees where comm is null;**

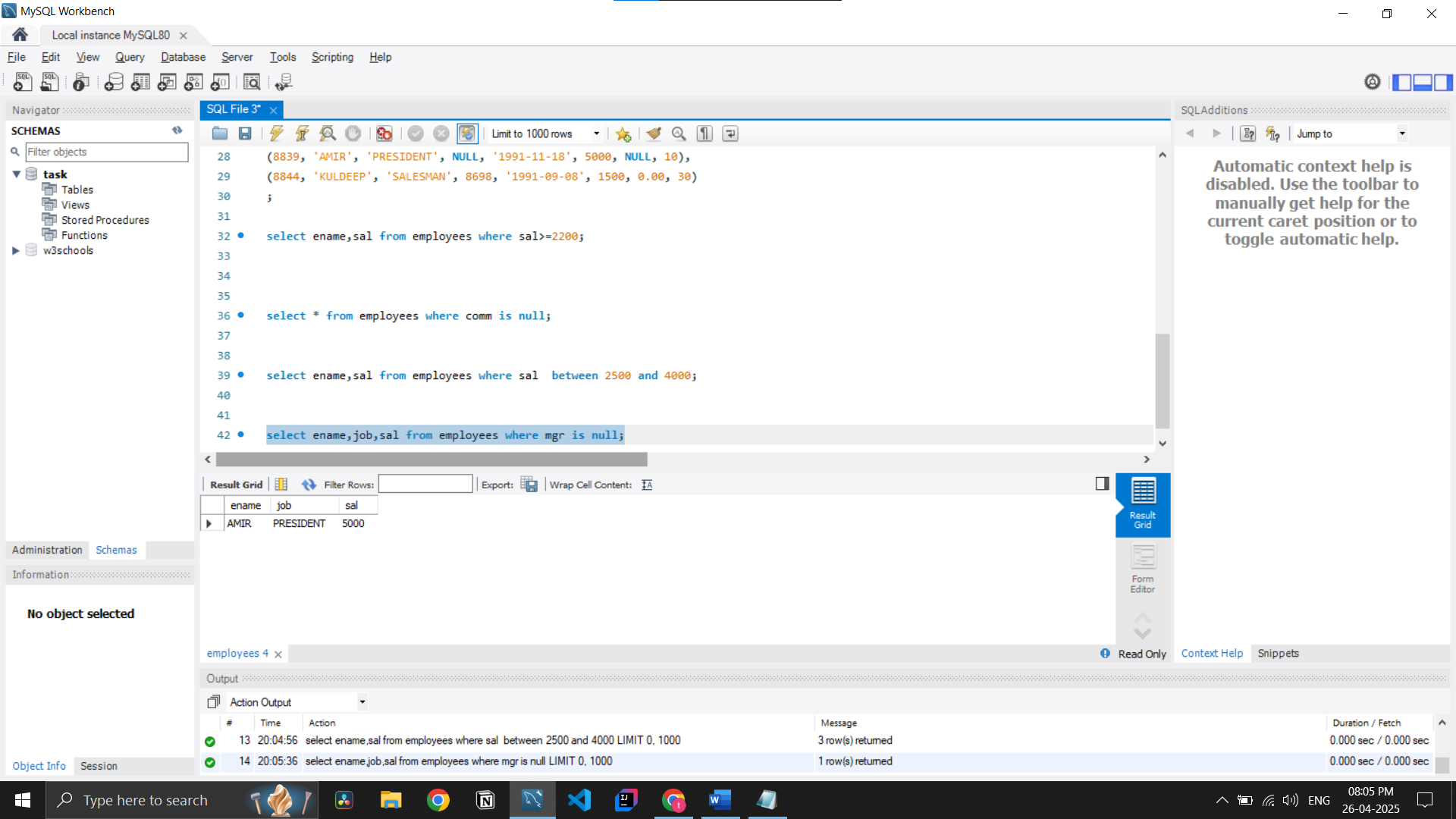
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1. **Write a query to display employee name and salary of those employees who don’t have their salary in the range of 2500 to 4000?**

**select ename,sal from employees where sal between 2500 and 4000;**

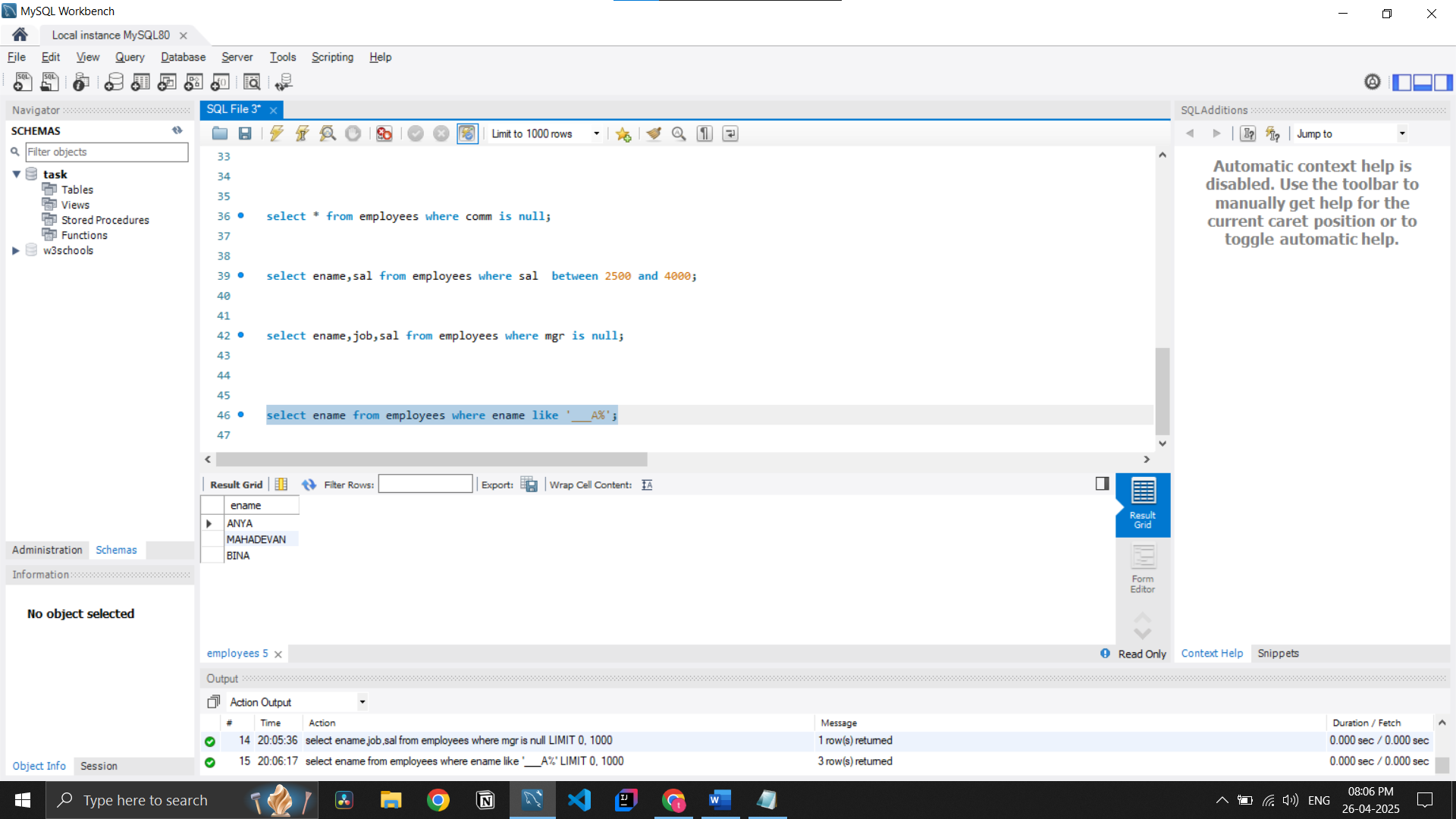
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1. **Write a query to display the name, job title and salary of employees who don’t have a manager?**

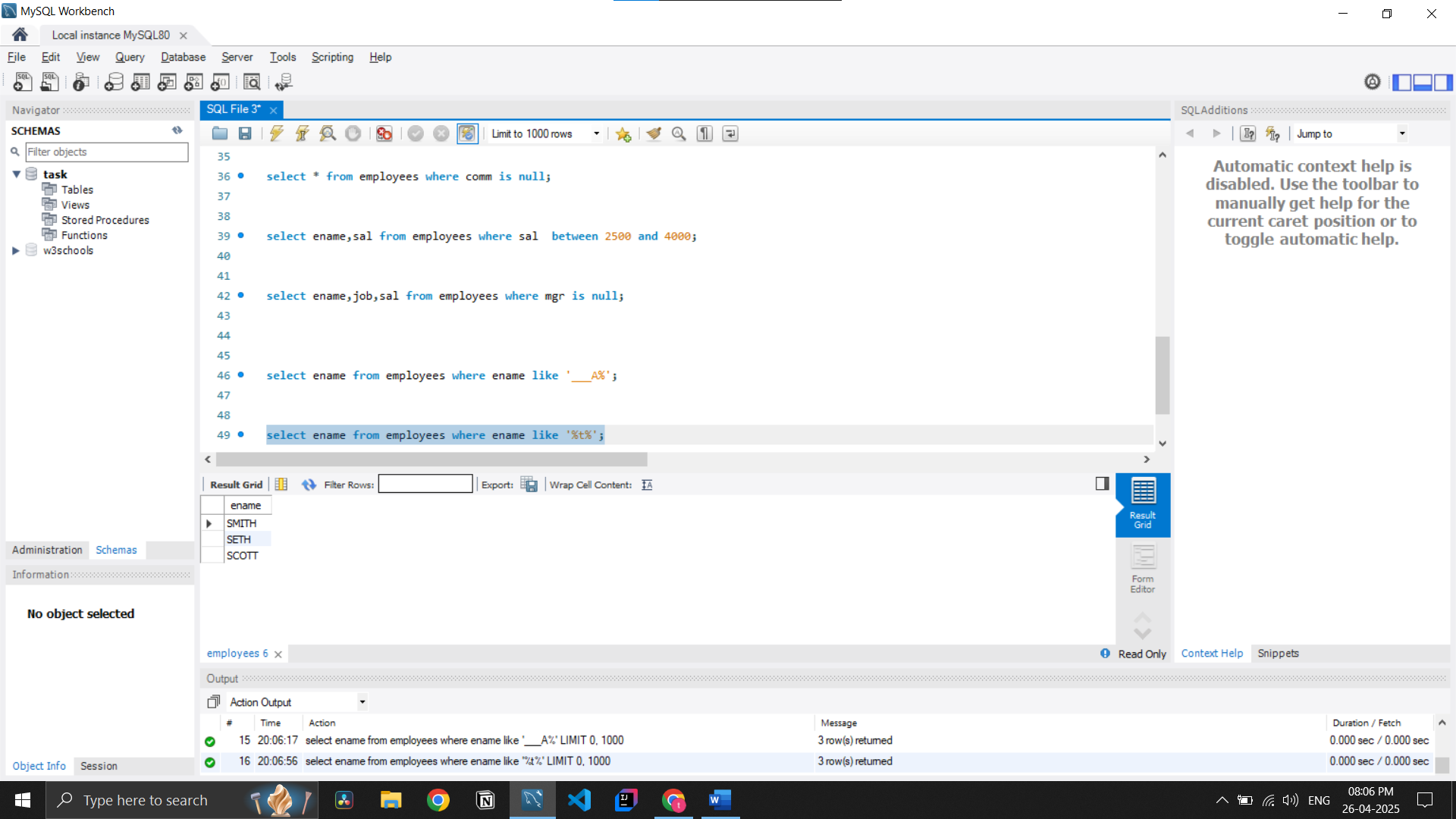
**select ename,job,sal from employees where mgr is null;  
  
  
**

1. **Write a query to display the name of an employee whose name contains “A” as third alphabet?**

**select ename from employees where ename like '\_\_\_A%';**

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**F. Write a query to display the name of an employee whose name contains “T” as the last alphabet?**

**select ename from employees where ename like '%t%';  
  
**

**QUESTION 2:**

Write a a program for JDBC to connectivity and insert the below data.

Code:

import java.sql.\*;  
  
public class dbconnection {  
 public static void main(String[] args) {  
 String dbconnection="jdbc:mysql://localhost:3306/employeedetails?user=root&password=root";  
  
 String query="select \* from emp";  
  
 try(Connection connection= DriverManager.*getConnection*(dbconnection))  
 {  
 PreparedStatement preparedStatement=connection.prepareStatement(query);  
 ResultSet resultSet=preparedStatement.executeQuery();  
  
 while (resultSet.next())  
 {  
 System.*out*.println(  
 resultSet.getInt(1)+" "  
 +resultSet.getString(2)+" "  
 +resultSet.getInt(3)+" "  
 +resultSet.getString(4));  
 }  
  
 }catch (SQLException e)  
 {  
 e.printStackTrace();  
 }  
 }  
}

