

Task23- MYSQL

Task Description:

Create a Table Empl to store employee details as shown below and write statement for following queries based on table.

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8888	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30

The table has been created as follows :

The screenshot displays the MySQL Workbench interface. The 'Query' tab is active, showing the following SQL script:

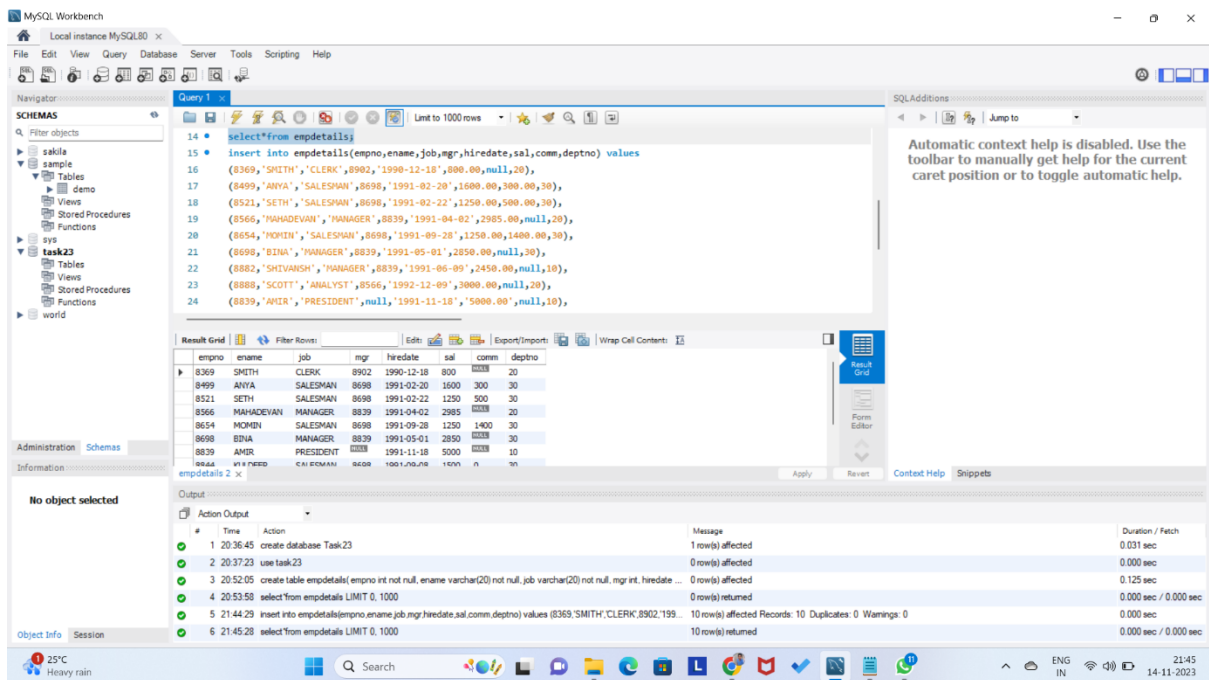
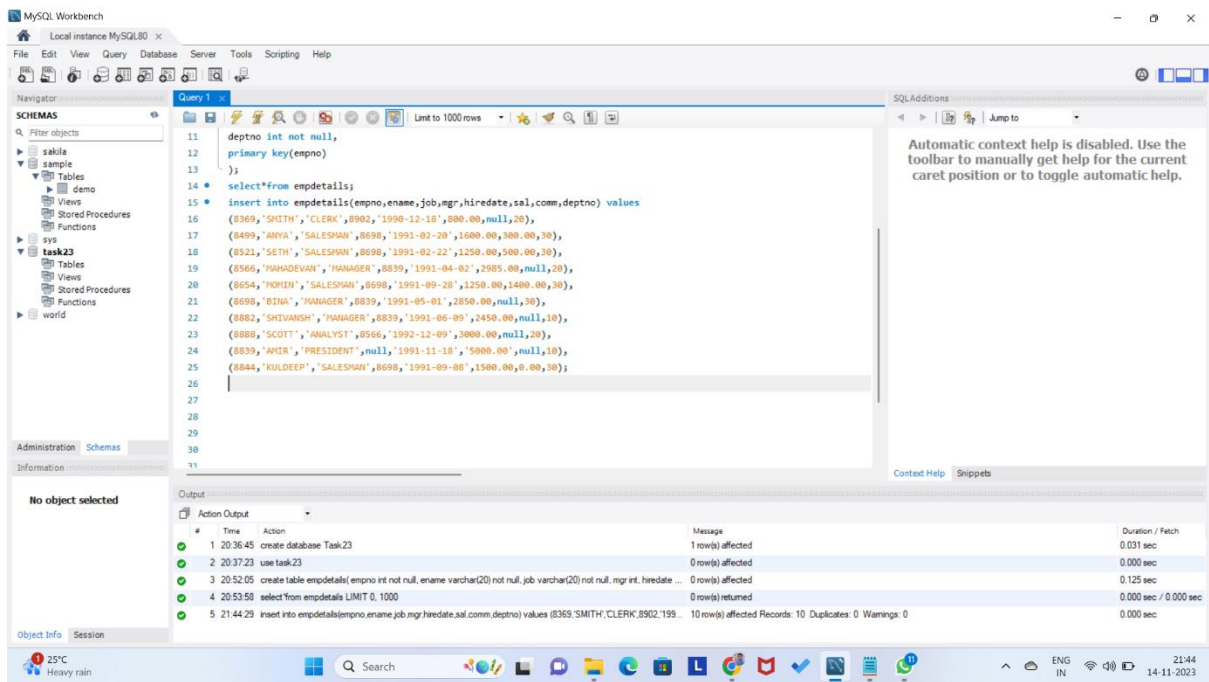
```
1 create database Task23;
2 use task23;
3 create table empdetails(
4     empno int not null,
5     ename varchar(20) not null,
6     job varchar(20) not null,
7     mgr int,
8     hiredate date not null,
9     sal decimal(10,2) not null,
10    comm decimal(10,2),
11    deptno int not null,
12    primary key(empno)
13 );
```

The 'Result Grid' shows the execution results of the queries:

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20

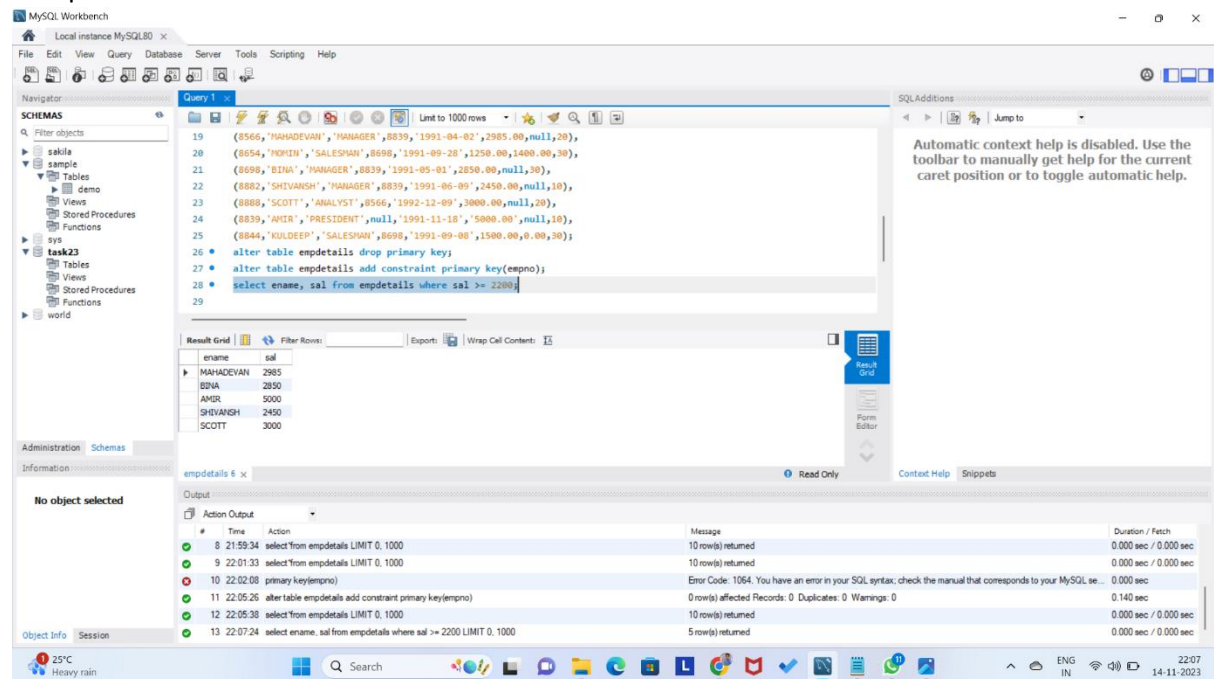
The 'Output' tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
1	20:36:45	create database Task23	1 row(s) affected	0.031 sec
2	20:37:23	use task23	0 row(s) affected	0.000 sec
3	20:52:05	create table empdetails(empno int not null, ename varchar(20) not null, job varchar(20) not null, mgr int, hiredate ...	0 row(s) affected	0.125 sec
4	20:53:58	select from empdetails LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec



1.) Consider the Employee table and write SQL command to get the following.

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



MySQL Workbench interface showing a query to display employee names and salaries where salary is greater than or equal to 2200. The query is executed, and the result grid shows 5 rows of data.

```

26 * alter table empdetails drop primary key;
27 * alter table empdetails add constraint primary key(empno);
28 select ename, sal from empdetails where sal >= 2200;
29

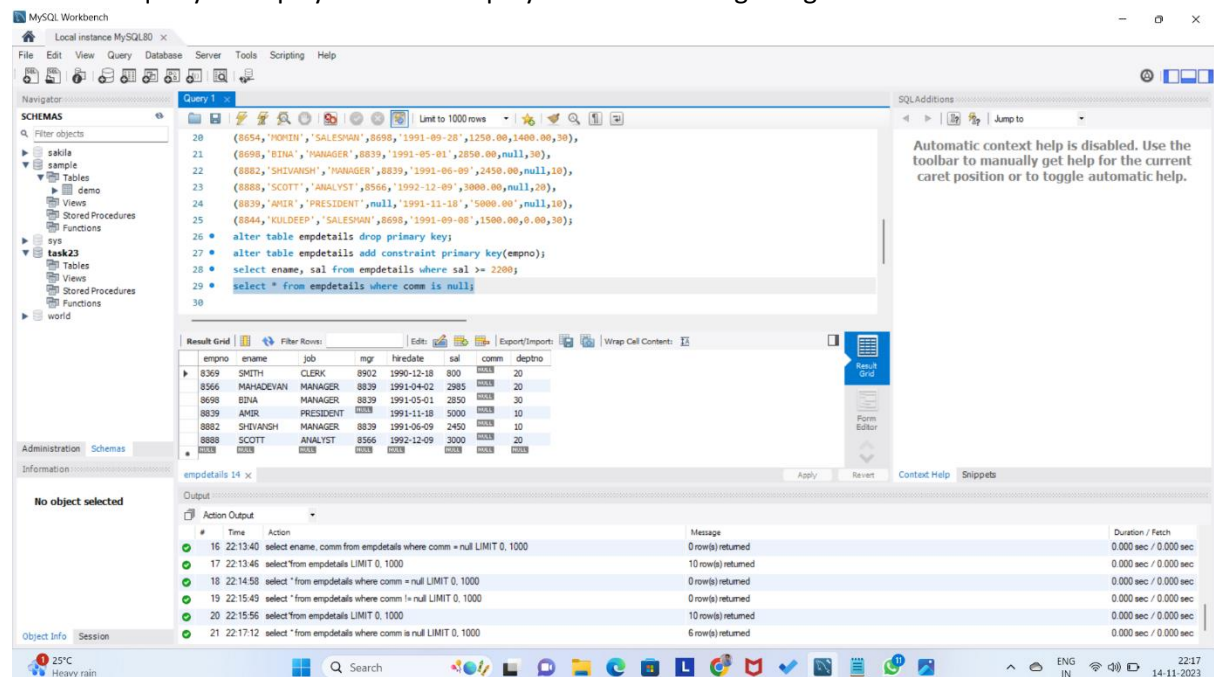
```

ename	sal
MAHADEVAN	2985
BDNA	2850
AMIR	5000
SHIVANGH	2450
SCOTT	3000

Output log showing the execution of the query and the result grid.

#	Time	Action	Message	Duration / Fetch
8	21:59:34	select from empdetails LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
9	22:01:33	select from empdetails LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
10	22:02:08	primary key(empno)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL se...	0.000 sec
11	22:05:26	alter table empdetails add constraint primary key(empno)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.140 sec
12	22:05:38	select from empdetails LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
13	22:07:24	select ename, sal from empdetails where sal >= 2200 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

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



MySQL Workbench interface showing a query to display details of employees who are not getting commission. The query is executed, and the result grid shows 14 rows of data.

```

26 * alter table empdetails drop primary key;
27 * alter table empdetails add constraint primary key(empno);
28 select ename, sal from empdetails where sal >= 2200;
29 select * from empdetails where comm is null;
30

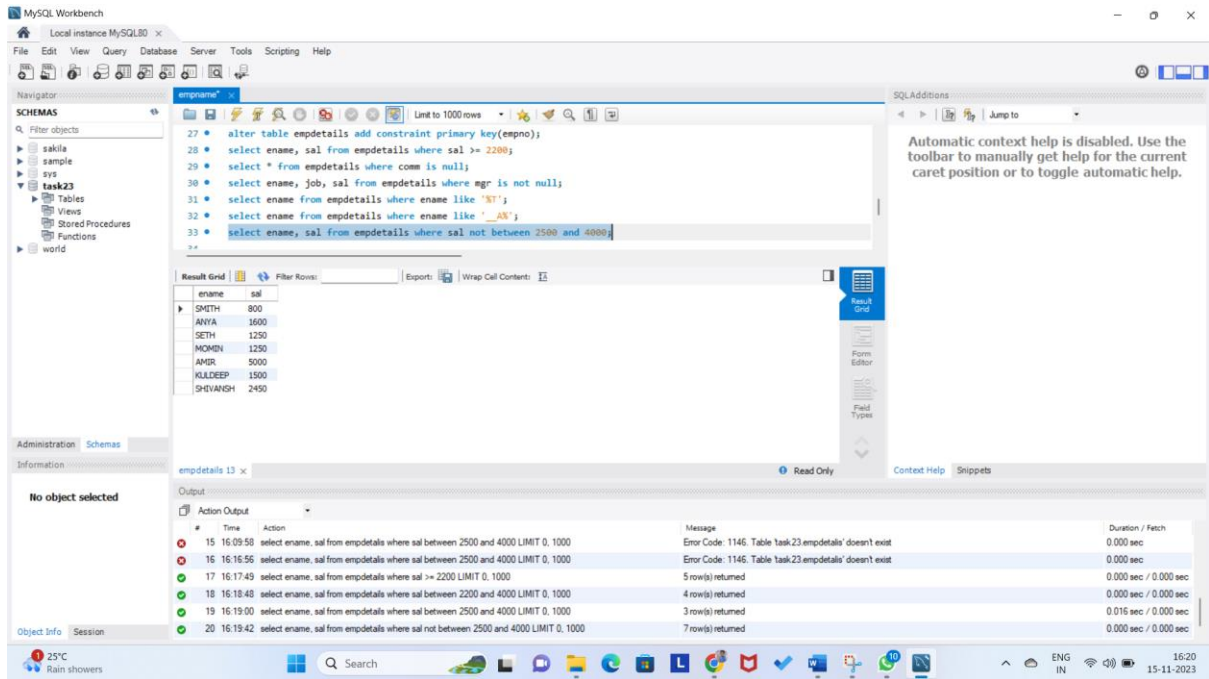
```

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800	0.00	20
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985	0.00	20
8698	BDNA	MANAGER	8839	1991-05-01	2850	0.00	30
8839	AMIR	PRESIDENT	0000	1991-11-18	5000	0.00	10
8882	SHIVANGH	MANAGER	8839	1991-06-09	2450	0.00	10
8888	SCOTT	ANALYST	8566	1992-12-09	3000	0.00	20

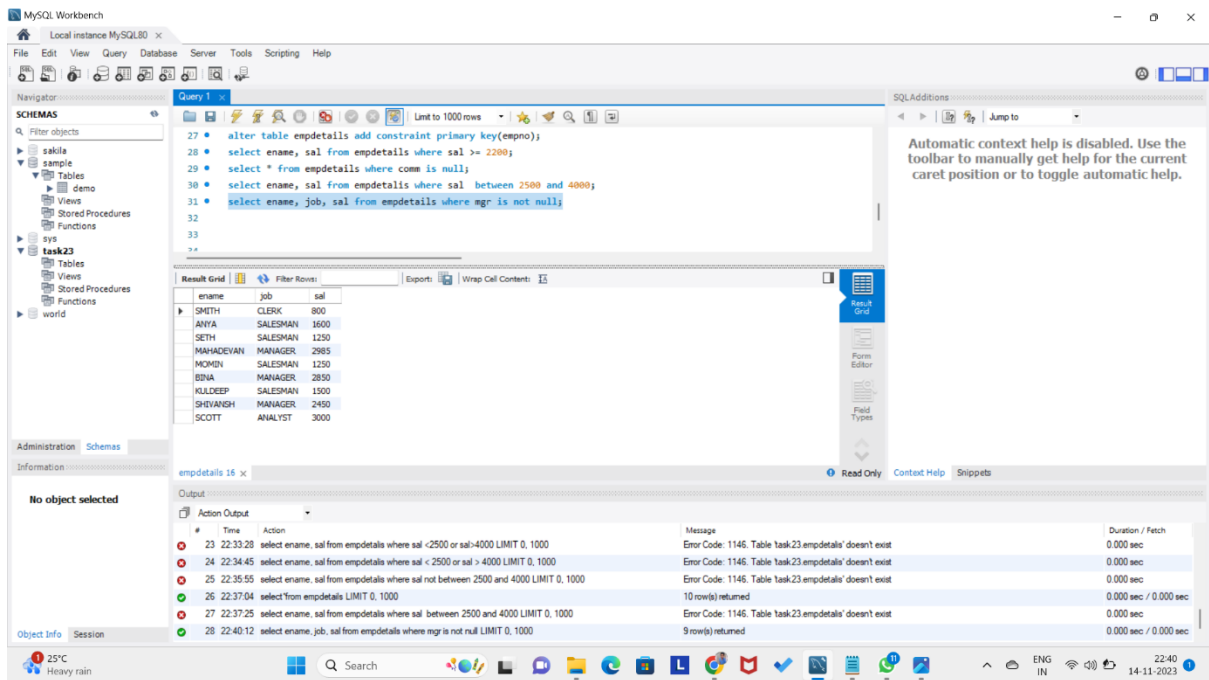
Output log showing the execution of the query and the result grid.

#	Time	Action	Message	Duration / Fetch
16	22:13:40	select ename, comm from empdetails where comm = null LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
17	22:13:46	select from empdetails LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
18	22:14:58	select * from empdetails where comm = null LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
19	22:15:49	select * from empdetails where comm != null LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
20	22:15:56	select from empdetails LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
21	22:17:12	select * from empdetails where comm is null LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

C. 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?

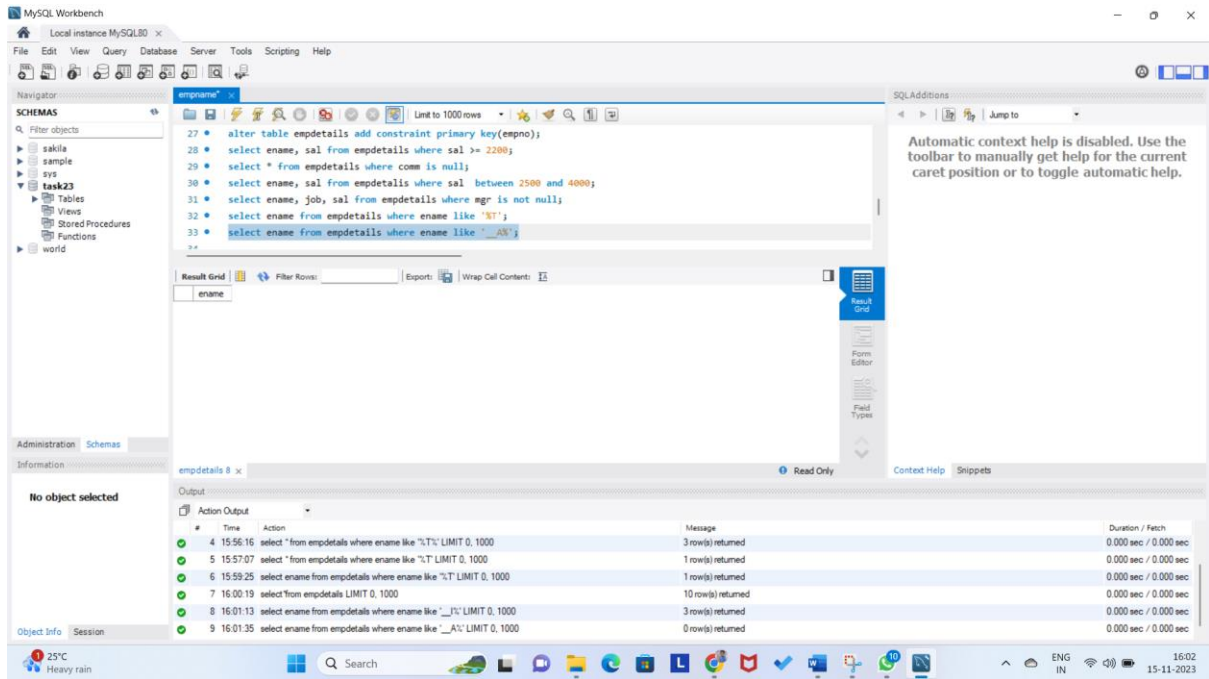


D. Write a query to display the name, job title and salary of employees who don't have a manager?



E. Write a query to display the name of an employee whose name contains "A" as third alphabet?

- There is no name of an employee whose name contains "A" as third alphabet



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

