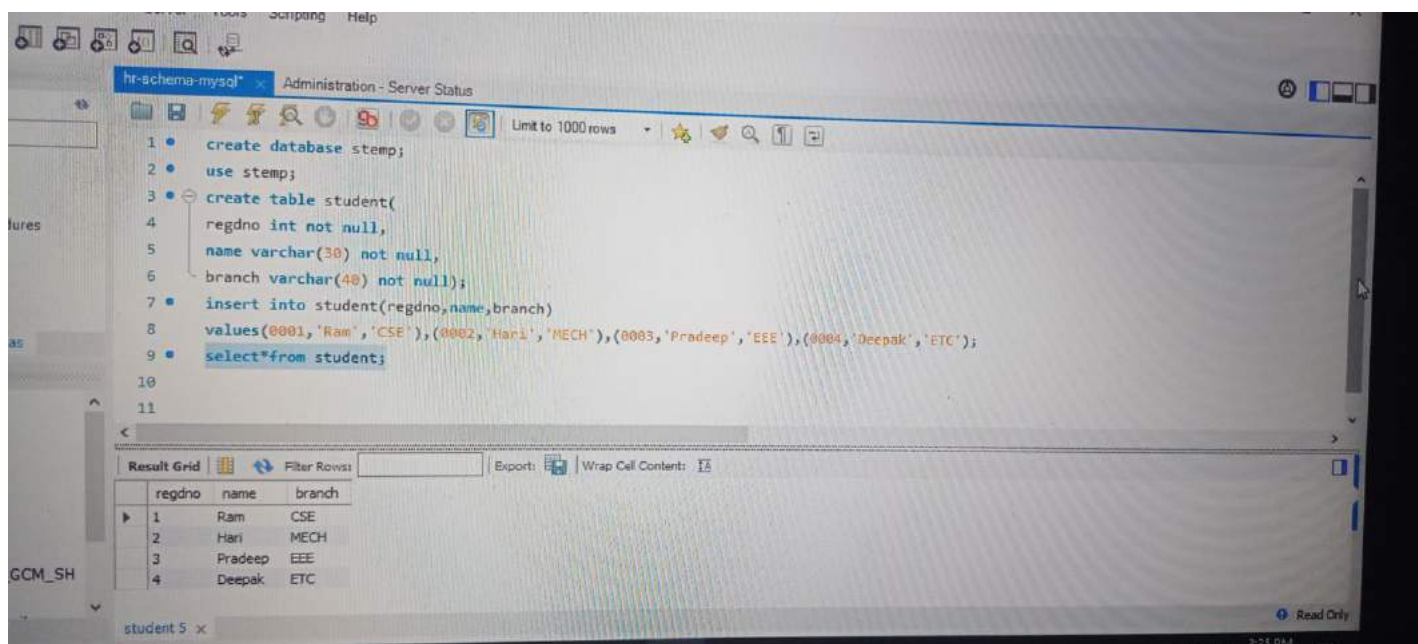


## Students

REGD.NO	NAME	BRANCH
0001	Ram	CSE
0002	Hari	MECH
0003	Pradeep	EEE
0004	Deepak	ETC



## Employee

EMPNO	ENAME	JOB	HIREDATE	MGR	SAL	COMM	DEPTNO
7369	SMITH	CLERK	17-DEC-80	7902	800		20
7499	ALLEN	SALESMAN	20-FEB-81	7698	1600	300	30
7521	WARD	SALESMAN	22-FEB-81	7698	1250	500	30
7566	JONES	MANAGER	02-APR-81	7839	2975		20
7654	MARTIN	SALESMAN	28-SEP-81	7698	1250	1400	30
7698	BLAKE	MANAGER	01-MAY-81	7839	2850		30
7782	CLARK	MANAGER	09-JUN-81	7839	2450		10
7788	SCOTT	ANALYST	19-APR-87	7566	3000		20
7839	KING	PRESIDENT	17-NOV-81		5000		10
7844	TURNER	SALESMAN	08-SEP-81	7698	1500	0	30
7876	ADAMS	CLERK	23-MAY-87	7788	1100		20
7900	JAMES	CLERK	03-DEC-81	7698	950		30
7902	FORD	ANALYST	03-DEC-81	7566	3000		20
7934	MILLER	CLERK	23-JAN-82	7782	1300		10

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```

10 • create table employee(
11     empno int not null,ename varchar(30) not null,job varchar(30),hiredate varchar(40),mgr int,sal int not null,
12     comm int,deptno int not null);
13 • insert into employee(empno,ename,job,hiredate,mgr,sal,comm,deptno)
14     values(7369,'SMITH','CLERK','17-DEC-80',7902,800,null,20),(7499,'ALLEN','SALESMAN','20-FEB-81',7698,1600,300,30),
15     (7521,'WARD','SALESMAN','22-FEB-81',7698,1250,500,30),(7566,'JONES','MANAGER','02-APR-21',7839,2975,null,20),
16     (7654,'MARTIN','SALESMAN','28-SEPT-81',7698,1250,1400,30),(7698,'BLAKE','MANAGER','01-MAY-81',7839,2850,null,30),
17     (7782,'CLARK','MANAGER','09-JUN-81',7839,2450,null,10),(7788,'SCOTT','ANALYST','19-APR-87',7566,3000,null,20),
18     (7839,'KING','PRESIDENT','17-NOV-81',null,5000,null,10),(7844,'TURNER','SALESMAN','08-SEP-81',7698,1500,0,30),
19     (7876,'ADAMS','CLERK','23-MAY-87',7788,1100,null,20),(7900,'JAMES','CLERK','03-DEC-81',7698,950,null,30),
20     (7902,'FORD','ANALYST','03-DEC-81',7566,3000,null,20),(7934,'MILLER','CLERK','23-JAN-82',7782,1300,null,10);

```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: |

empno	ename	job	hiredate	mgr	sal	comm	deptno
7369	SMITH	CLERK	17-DEC-80	7902	800	NULL	20
7499	ALLEN	SALESMAN	20-FEB-81	7698	1600	300	30
7521	WARD	SALESMAN	22-FEB-81	7698	1250	500	30
7566	JONES	MANAGER	02-APR-21	7839	2975	NULL	20
7654	MARTIN	SALESMAN	28-SEPT-81	7698	1250	1400	30

employee 6 x

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```

12     comm int,deptno int not null);
13 • insert into employee(empno,ename,job,hiredate,mgr,sal,comm,deptno)
14     values(7369,'SMITH','CLERK','17-DEC-80',7902,800,null,20),(7499,'ALLEN','SALESMAN','20-FEB-81',7698,1600,300,30),
15     (7521,'WARD','SALESMAN','22-FEB-81',7698,1250,500,30),(7566,'JONES','MANAGER','02-APR-21',7839,2975,null,20),
16     (7654,'MARTIN','SALESMAN','28-SEPT-81',7698,1250,1400,30),(7698,'BLAKE','MANAGER','01-MAY-81',7839,2850,null,30),
17     (7782,'CLARK','MANAGER','09-JUN-81',7839,2450,null,10),(7788,'SCOTT','ANALYST','19-APR-87',7566,3000,null,20),
18     (7839,'KING','PRESIDENT','17-NOV-81',null,5000,null,10),(7844,'TURNER','SALESMAN','08-SEP-81',7698,1500,0,30),
19     (7876,'ADAMS','CLERK','23-MAY-87',7788,1100,null,20),(7900,'JAMES','CLERK','03-DEC-81',7698,950,null,30),
20     (7902,'FORD','ANALYST','03-DEC-81',7566,3000,null,20),(7934,'MILLER','CLERK','23-JAN-82',7782,1300,null,10);
21 • select * from employee;
22

```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents: |

empno	ename	job	hiredate	mgr	sal	comm	deptno
7369	SMITH	CLERK	17-DEC-80	7902	800	NULL	20
7499	ALLEN	SALESMAN	20-FEB-81	7698	1600	300	30
7521	WARD	SALESMAN	22-FEB-81	7698	1250	500	30
7566	JONES	MANAGER	02-APR-21	7839	2975	NULL	20
7654	MARTIN	SALESMAN	28-SEPT-81	7698	1250	1400	30

11. Find all the details of managers and clerks in dept 10.



The screenshot shows a MySQL IDE with the following SQL code:

```

12 comm int,deptno int not null);
13 insert into employee(empno,ename,job,hiredate,mgr,sal,comm,deptno)
14 values(7369,'SMITH','CLERK','17-DEC-80',7902,800,null,20),(7499,'ALLEN','SALESMAN','20-FEB-81',7698,1600,300,30),
15 (7521,'WARD','SALESMAN','22-FEB-81',7698,1250,500,30),(7566,'JONES','MANAGER','02-APR-81',7839,2975,null,20),
16 (7654,'MARTIN','SALESMAN','28-SEP-81',7698,1250,1400,30),(7698,'BLAKE','MANAGER','01-MAY-81',7839,2850,null,30),
17 (7782,'CLARK','MANAGER','09-JUN-81',7839,2450,null,10),(7788,'SCOTT','ANALYST','19-APR-87',7566,3000,null,20),
18 (7839,'KING','PRESIDENT','17-NOV-81',null,5000,null,10),(7844,'TURNER','SALESMAN','08-SEP-81',7698,1500,0,30),
19 (7876,'ADAMS','CLERK','23-MAY-87',7788,1100,null,20),(7900,'JAMES','CLERK','03-DEC-81',7698,950,null,30),
20 (7902,'FORD','ANALYST','03-DEC-81',7566,3000,null,20),(7934,'MILLER','CLERK','23-JAN-82',7782,1300,null,10);
21 select * from employee;
22 select * from employee where deptno=10 and job in ('MANAGER','CLERK');

```

The result grid below shows the output of the query in line 22:

empno	ename	job	hiredate	mgr	sal	comm	deptno
7782	CLARK	MANAGER	09-JUN-81	7839	2450	NULL	10
7934	MILLER	CLERK	23-JAN-82	7782	1300	NULL	10

12. Find the details of all the managers (in any dept) and clerks in dept 20.

The screenshot shows a MySQL IDE with the following SQL code:

```

1 use stmp;
2 select * from employee where job='MANAGER'
3 union select * from employee where job='CLERK' and deptno=20;

```

The result grid below shows the output of the query:

empno	ename	job	hiredate	mgr	sal	comm	deptno
7566	JONES	MANAGER	02-APR-81	7839	2975	NULL	20
7698	BLAKE	MANAGER	01-MAY-81	7839	2850	NULL	30
7782	CLARK	MANAGER	09-JUN-81	7839	2450	NULL	10
7369	SMITH	CLERK	17-DEC-80	7902	800	NULL	20
7876	ADAMS	CLERK	23-MAY-87	7788	1100	NULL	20

13. Find the details of all the managers in dept. 10 and all clerks in dept 20

and all employees who are neither managers nor clerks but whose salary is more than or equal to 2000/-.

The screenshot shows a web-based SQL IDE interface. The browser address bar displays a URL from alchemycloud.co.in. The application has a menu bar with 'Database', 'Server', 'Tools', 'Scripting', and 'Help'. Below the menu is a toolbar with various icons. The main area contains a SQL query editor with the following code:

```
1 • use scmp;  
2 • select ename,job,sal from employee where job='MANAGER' and deptno=10  
3 • union select ename,job,sal from employee where job='CLERK' and deptno=20  
4 • union  
5 • select ename,job,sal from employee where job not in('MANAGER','CLERK') and sal>=2000;
```

Below the query editor is a 'Result Grid' showing the results of the query. The grid has three columns: 'ename', 'job', and 'sal'. The results are as follows:

ename	job	sal
CLARK	MANAGER	2450
SMITH	CLERK	800
ADAMS	CLERK	1100
SCOTT	ANALYST	3000
KING	PRESIDENT	5000
FORD	ANALYST	3000

The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time as 13:19 on 19-09-2021.

106 x

Database Server Tools Scripting Help

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```
1 use stempj;
2 select ename,job,sal from employee where job='MANAGER' and deptno=10;
3 union select ename,job,sal from employee where job='CLERK' and deptno=20;
4 union
5 select ename,job,sal from employee where job not in('MANAGER','CLERK') and sal>2000;
```

Result Grid

ename	job	sal
CLARK	MANAGER	2450

employee 68 x

Read On

1:19 PM 6/19/2021

34°C Rain showers ENG 13:19 19-09-2021

labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTMLSClient/src/SessionWindow.html?launchid=1632035017540#launchurl=Resources%2FLaunchica%2FQloS...

0.1.3306 x

Query Database Server Tools Scripting Help

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```
1 • use stemp;
2 • select ename,job,sal from employee where job='MANAGER' and deptno=10
3 union select ename,job,sal from employee where job='CLERK' and deptno=20
4 union
5 select ename,job,sal from employee where job not in('MANAGER','CLERK') and sal>=2000;
```

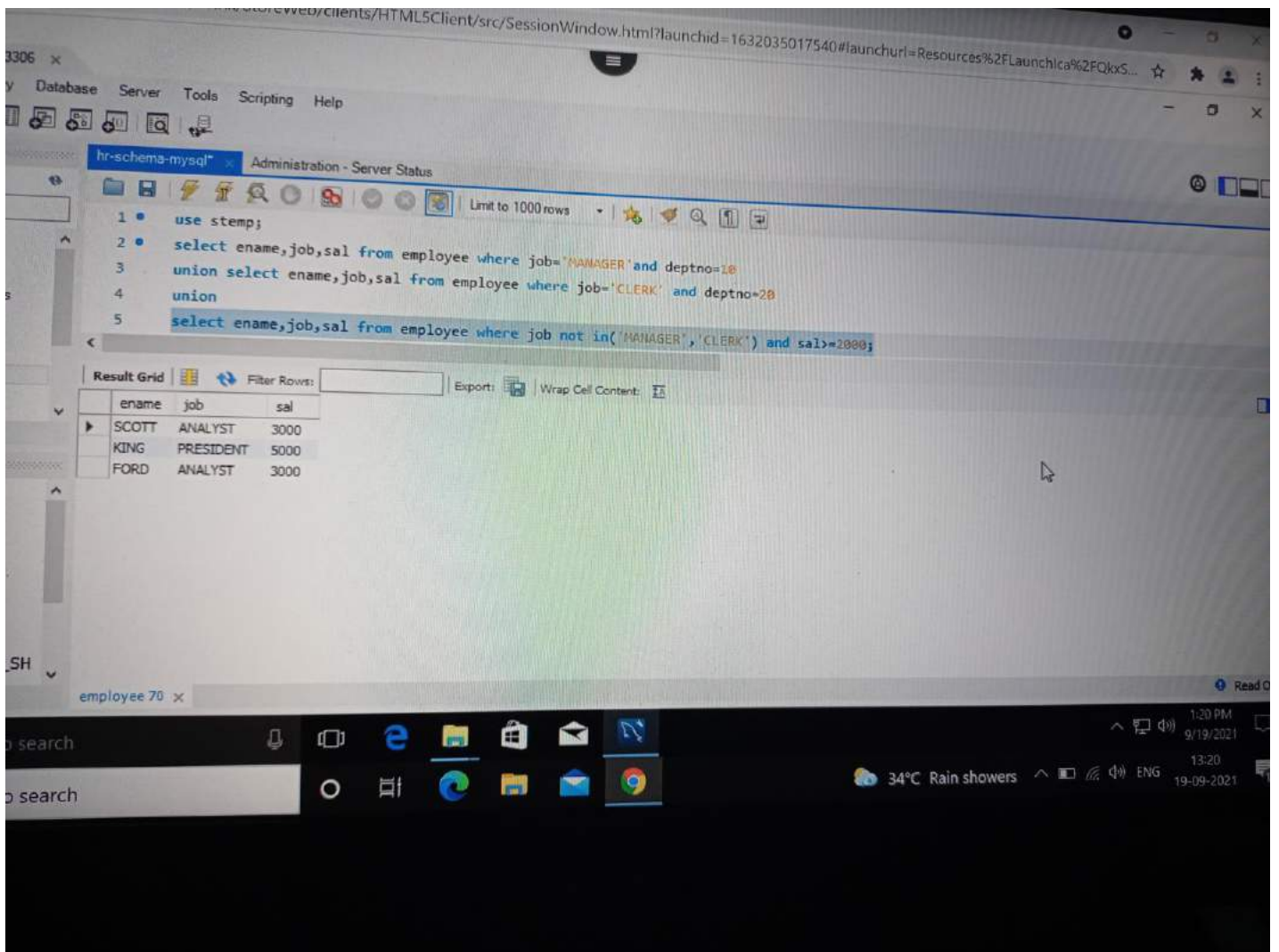
Result Grid

ename	job	sal
SMITH	CLERK	800
ADAMS	CLERK	1100

employee 69 x

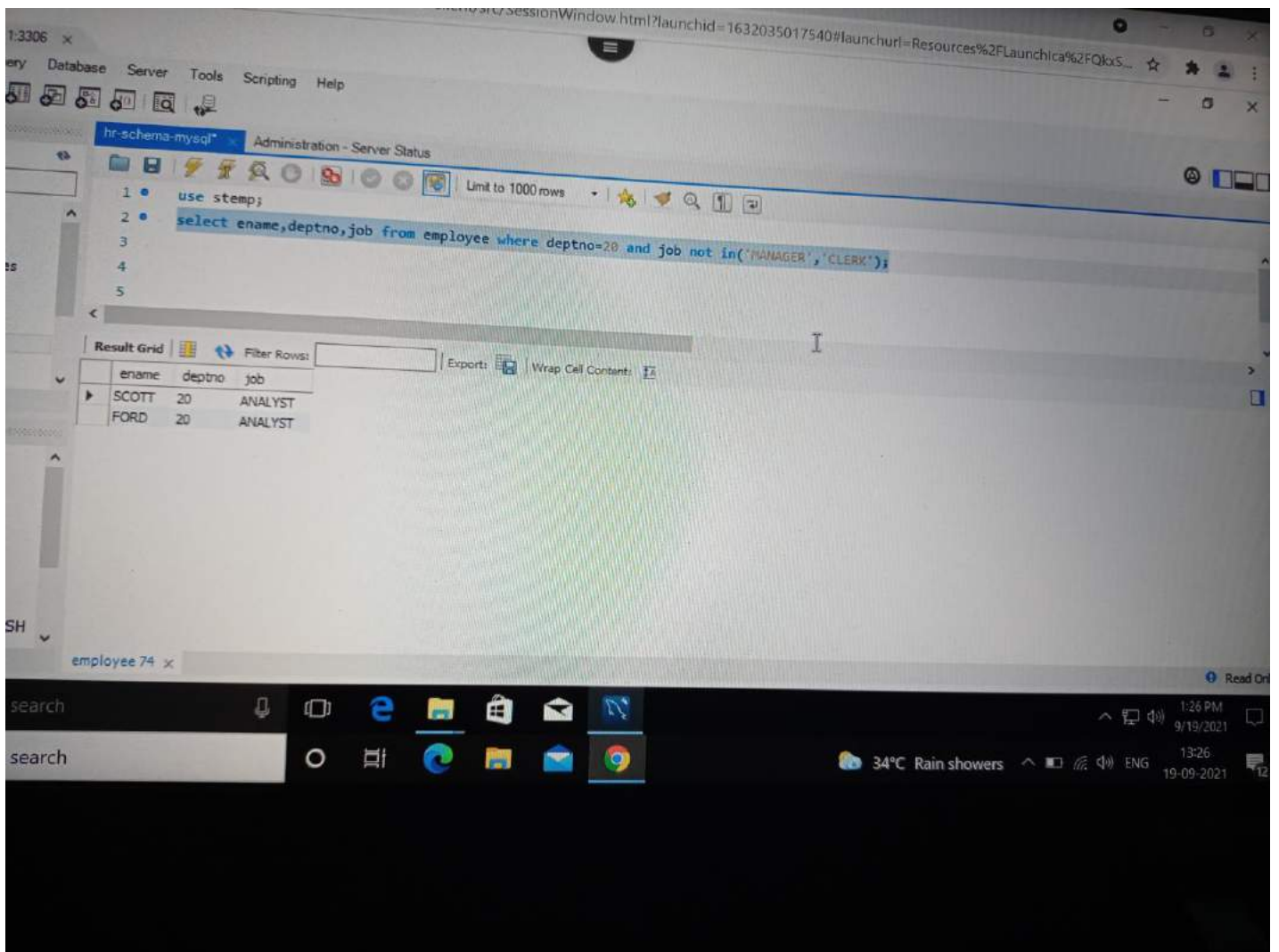
1:19 PM 9/19/2021 34°C Rain showers 13:20 19-09-2021





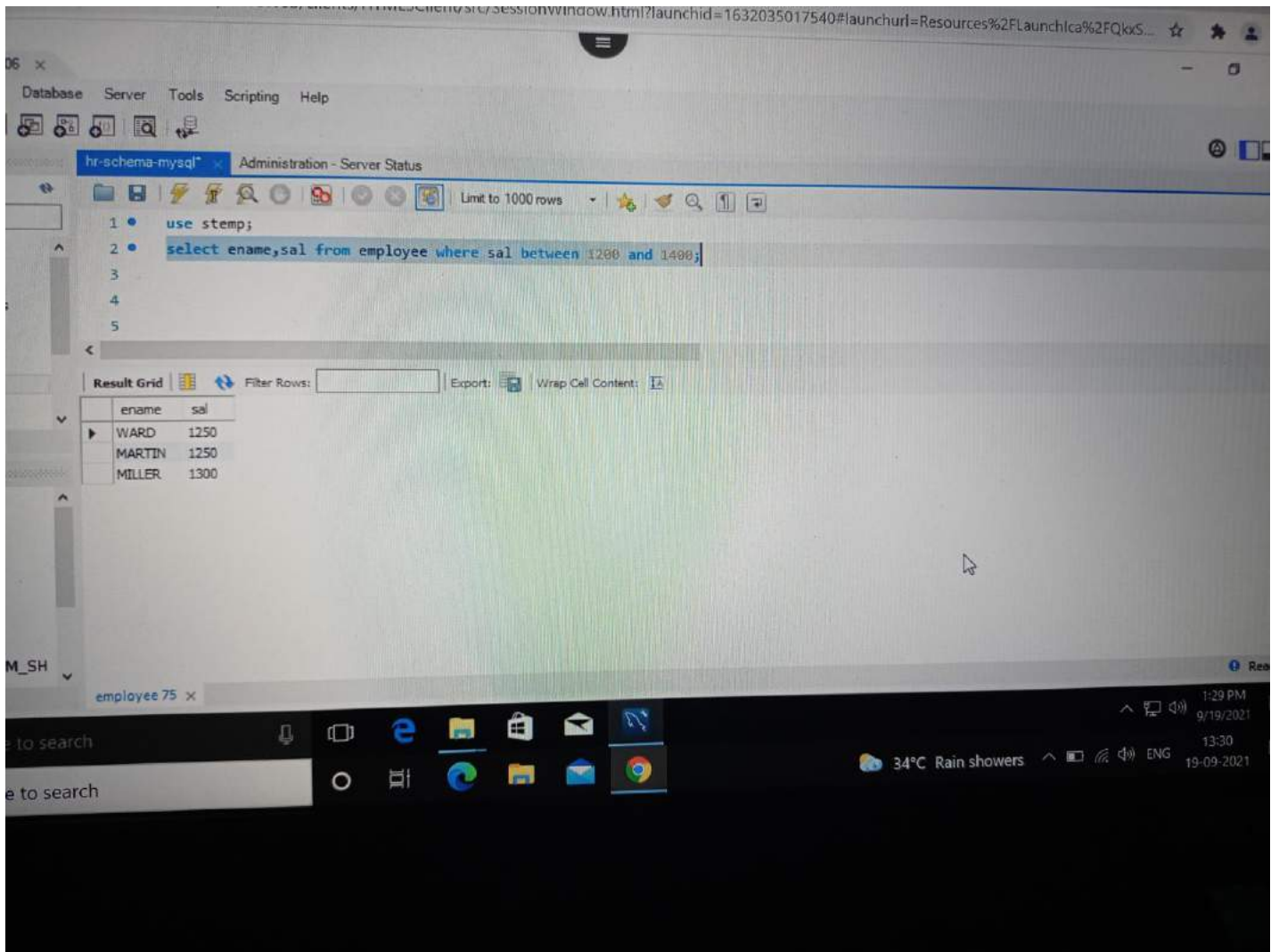
final ans:

14. Find the names of anyone in dept. 20 who is neither manager nor clerk.



15. Find the names of employees who earn between 1200/- and 1400/-





16. Find the employees who are clerks, analysts or salesmen.

3306 x

ry Database Server Tools Scripting Help

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```
1 use stemp;  
2 select * from employee where job in('CLERK','ANALYST','SALESMAN');  
3  
4  
5
```

Result Grid Filter Rows: Exports: Wrap Cell Contents:

empno	ename	job	hiredate	mgr	sal	comm	deptno
7369	SMITH	CLERK	17-DEC-80	7902	800	NULL	20
7499	ALLEN	SALESMAN	20-FEB-81	7698	1600	300	30
7521	WARD	SALESMAN	22-FEB-81	7698	1250	500	30
7654	MARTIN	SALESMAN	28-SEP-81	7698	1250	1400	30
7788	SCOTT	ANALYST	19-APR-87	7566	3000	NULL	20
7844	TURNER	SALESMAN	08-SEP-81	7698	1500	0	30
7876	ADAMS	CLERK	23-MAY-87	7788	1100	NULL	20
7900	JAMES	CLERK	03-DEC-81	7698	950	NULL	30
7902	FORD	ANALYST	03-DEC-81	7566	3000	NULL	20
7934	MILLER	CLERK	23-JAN-82	7782	1300	NULL	10

CM\_SH

employee 76 x

re to search

re to search

1:30 PM 9/19/2021

34°C Rain showers 13:31 19-09-2021

17. Find the employees who are not clerks, analysts or salesmen.

abs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1632035017540#launchurl=Resources%2FLaunchica%2FQkxS...

306 x

Database Server Tools Scripting Help

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```
1 • use stemp;
2 • select * from employee where job not in('CLERK','ANALYST','SALESMAN');
3
4
5
```

Result Grid Filter Rows: Export: Wrap Cell Contents

empno	ename	job	hiredate	mgr	sal	comm	deptno
7566	JONES	MANAGER	02-APR-21	7839	2975	NULL	20
7698	BLAKE	MANAGER	01-MAY-81	7839	2850	NULL	30
7782	CLARK	MANAGER	09-JUN-81	7839	2450	NULL	10
7839	KING	PRESIDENT	17-NOV-81	NULL	5000	NULL	10

employee 77 x Read Only

to search

to search

1:31 PM 9/19/2021

34°C Rain showers 13:32 19-09-2021 ENG 12

18. Find the employees who do not receive commission.

labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1632035017540#launchurl=Resources%2FLaunchIca%2FQkxS...

1:3306 x

ery Database Server Tools Scripting Help

hr-schema-mysql\* Administration - Server Status

Limit to 1000 rows

```
1 use stemp;  
2 select ename,comm from employee where comm is null or comm=0;  
3  
4  
5
```

Result Grid

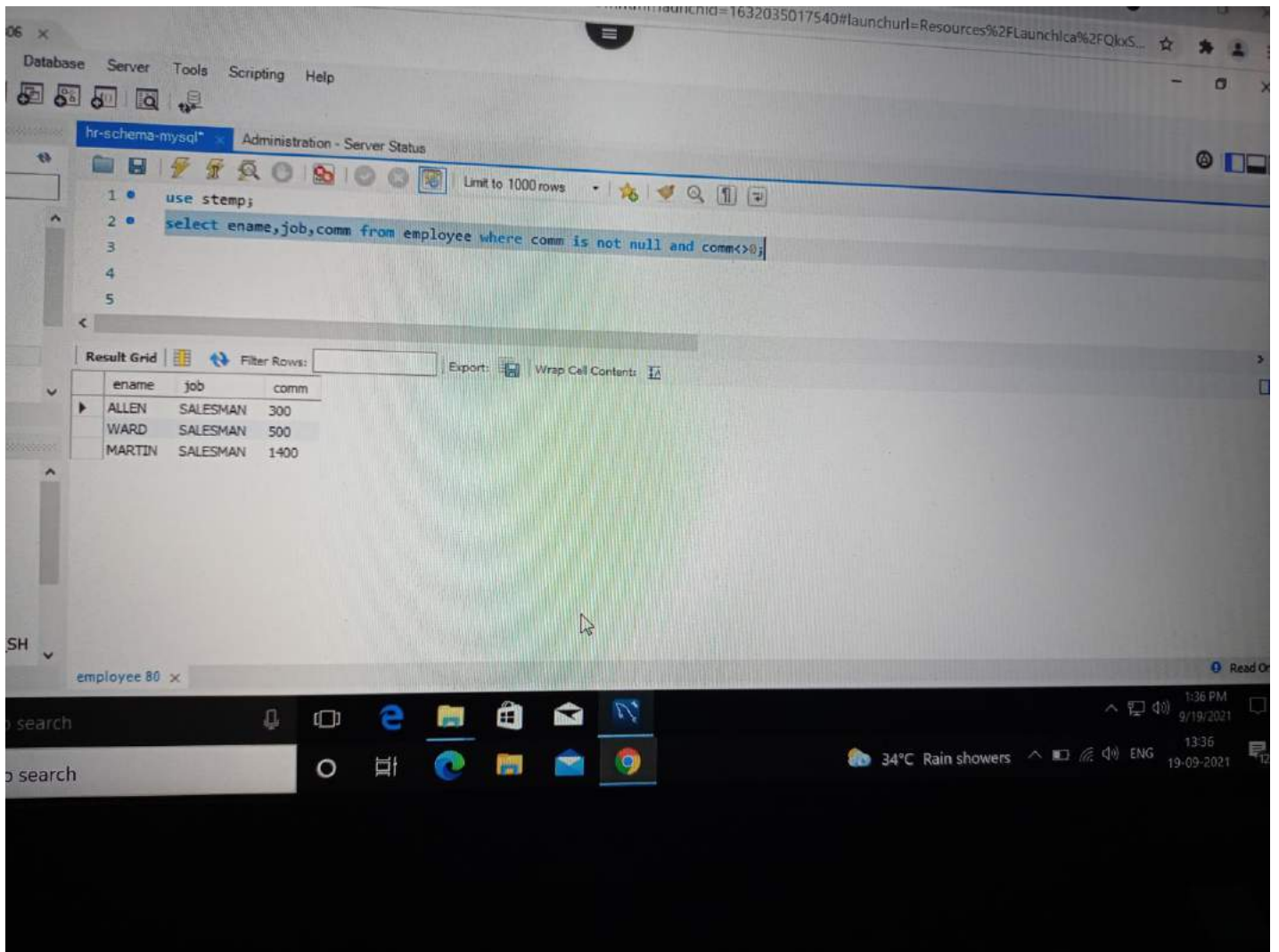
ename	comm
SMITH	NULL
JONES	NULL
BLAKE	NULL
CLARK	NULL
SCOTT	NULL
KING	NULL
TURNER	0
ADAMS	NULL
JAMES	NULL
FORD	NULL
MILLER	NULL

employee 78 x

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19. Find the different jobs of employees receiving commission.





20. Find the employees who do not receive commission or whose commission

is less than 100/-.

ps.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1632035017540#launchurl=Resources%2FLaunchIca%2FQxS...

06 x

Database Server Tools Scripting Help

hr-achema-mysql\* Administration - Server Status

Limit to 1000 rows

```
1 • use stemp;
2 • select ename,job,comm from employee where comm is null or comm=0 or comm<100;
3
4
5 • select comm from employee;
```

Result Grid Filter Rows: Export: Wrap Cell Contents

ename	job	comm
SMITH	CLERK	NULL
JONES	MANAGER	NULL
BLAKE	MANAGER	NULL
CLARK	MANAGER	NULL
SCOTT	ANALYST	NULL
KING	PRESIDENT	NULL
TURNER	SALESMAN	0
ADAMS	CLERK	NULL
JAMES	CLERK	NULL
FORD	ANALYST	NULL
MILLER	CLERK	NULL

Read Only

employee 84 x

to search

to search

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34°C Rain showers ENG 13:41 19-09-2021