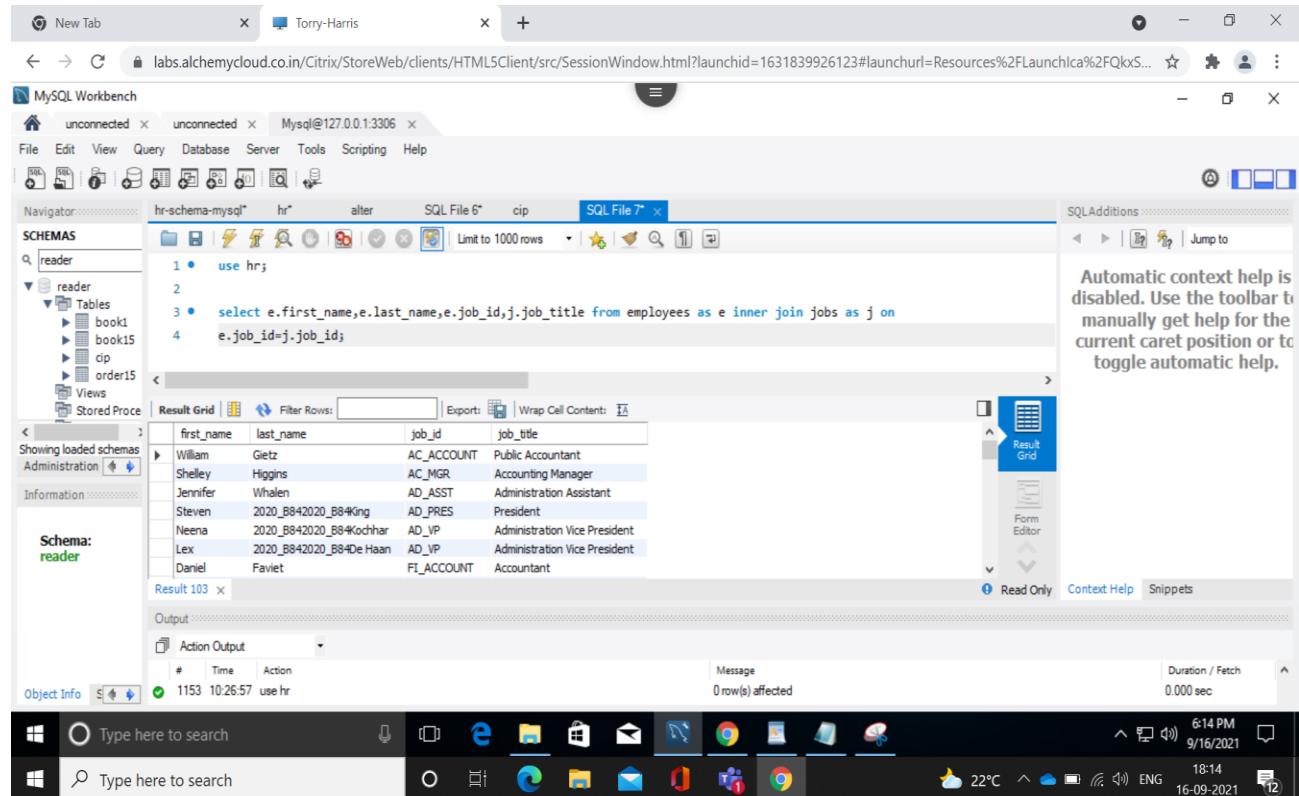


## Tejaswini N BC 84 assignment 1.

1. "Name of the employee work in dept no with job\_id" use last\_name column.



The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query is:

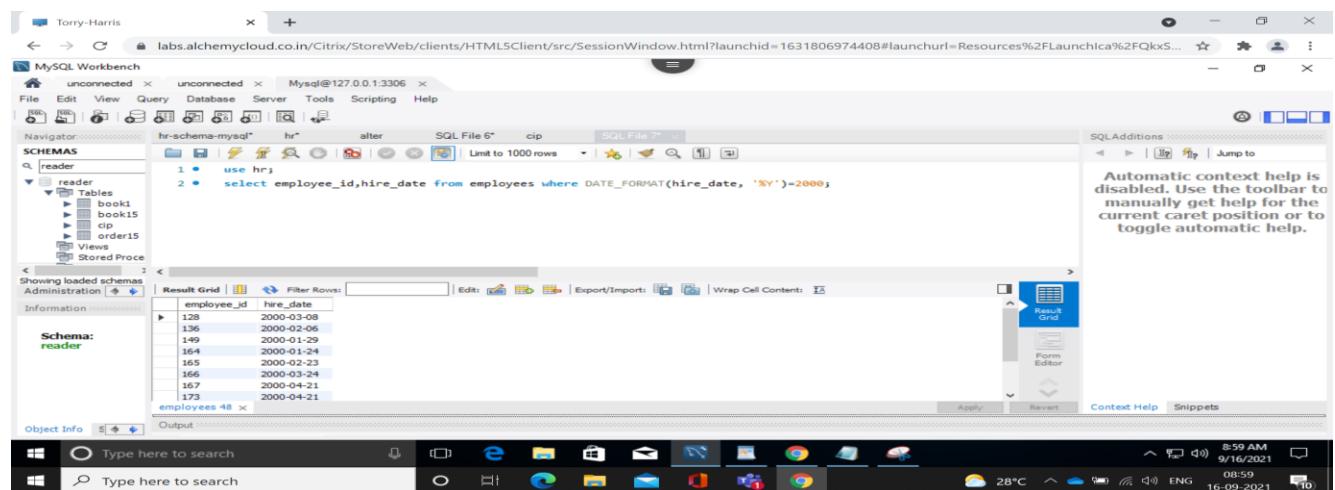
```
1 • use hr;
2 •
3 • select e.first_name,e.last_name,e.job_id,j.job_title from employees as e inner join jobs as j on
4 • e.job_id=j.job_id;
```

The result grid displays the following data:

first_name	last_name	job_id	job_title
William	Gietz	AC_ACCOUNT	Public Accountant
Shelley	Higgins	AC_MGR	Accounting Manager
Jennifer	Whalen	AD_ASST	Administration Assistant
Steven	2020_B842020_B84King	AD_PRES	President
Neena	2020_B842020_B84Kochhar	AD_VP	Administration Vice President
Lex	2020_B842020_B84De Haan	AD_VP	Administration Vice President
Daniel	Faviet	FI_ACCOUNT	Accountant

The status bar at the bottom shows the message "0 row(s) affected".

2. Employee who joined in the year 2000.



The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query is:

```
1 • use hr;
2 • select employee_id,hire_date from employees where DATE_FORMAT(hire_date, '%Y')=2000;
```

The result grid displays the following data:

employee_id	hire_date
128	2000-03-08
136	2000-02-06
149	2000-01-15
154	2000-01-24
165	2000-02-23
166	2000-03-24
167	2000-04-21
173	2000-04-21

The status bar at the bottom shows the message "0 row(s) affected".

3. employees who joined in after jan\_1996.

The screenshot shows the MySQL Workbench interface. The top navigation bar includes tabs for 'File', 'Edit', 'View', 'Query', 'Database', 'Server', 'Tools', and 'Help'. Below the toolbar, the 'Navigator' pane displays the 'reader' schema with tables like 'book1', 'book15', 'cip', and 'order15'. The main workspace shows a query editor with the following SQL code:

```
1 • use hr;
2 • select employee_id,hire_date from employees where DATE_FORMAT(hire_date, '%Y %M')>= '1996-1';
```

The results are displayed in a 'Result Grid' tab, showing the following data:

employee_id	hire_date
105	1997-06-25
106	1998-02-05
107	1999-02-07
110	1997-09-28
111	1997-09-30
112	1998-03-07
113	1999-12-07
116	1997-12-24

The status bar at the bottom indicates the time as 9:08 AM and the date as 9/16/2021.

4. Employees whose name starts between S to R.

The screenshot shows the MySQL Workbench interface. The top navigation bar includes tabs for 'MySQL Workbench' and 'Mysql@127.0.0.1:3306'. The main window displays a query editor with the following code:

```
use hr;
select employee_id,first_name,last_name from employees where first_name like 'R%' or first_name like 'S%';
```

The results grid shows the following data:

employee_id	first_name	last_name
100	Steven	King
116	Shelli	Baida
117	Sigal	Tobias
123	Shanta	Volman
128	Steven	Mankle
137	Renske	Ladwig
138	Stephen	Stiles
143	Randall	Matos

The bottom status bar shows system information including the date (9/16/2021), time (9:14 AM), and battery level (28%).

## 5. employees who work under manager\_id(200,201)

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
use hr;
select employee_id, first_name, last_name, manager_id from employees where manager_id=200 or manager_id=201;
```

The results grid displays the following data:

employee_id	first_name	last_name	manager_id
202	Pat	Fay	201
*	NULL	NULL	NULL

The operating system taskbar at the bottom shows the date as 9/16/2021 and the time as 09:35.

## 6. Employees who are "REP" or "MAN" who are paid more than 6000

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

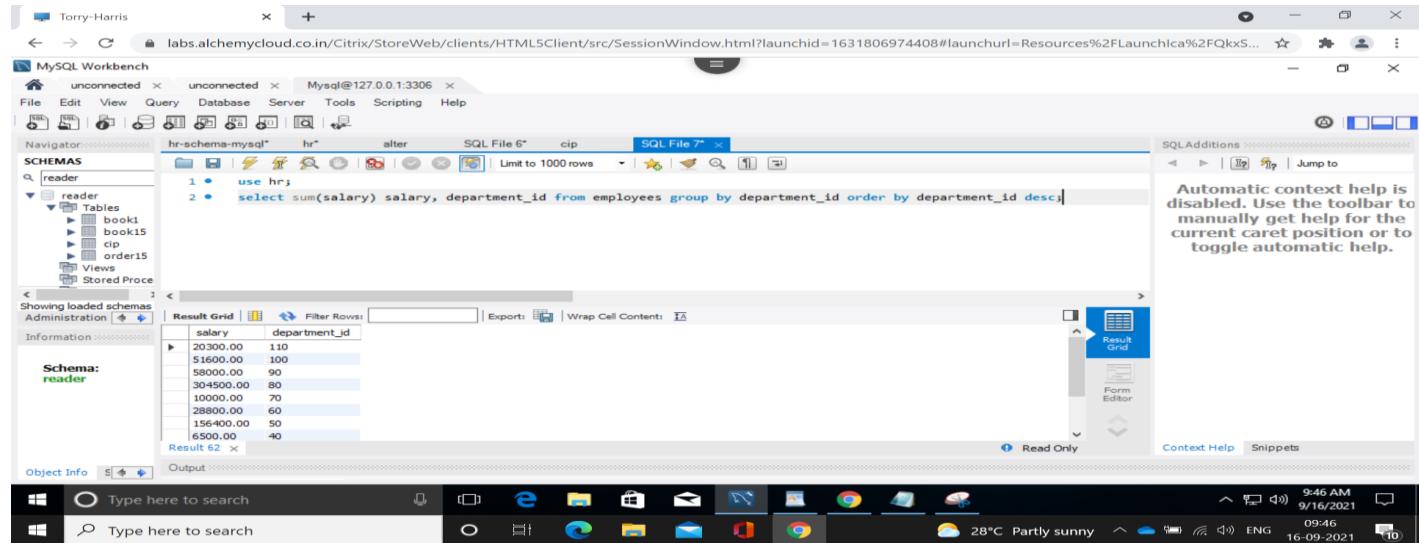
```
use hr;
select last_name, job_id, salary from employees where((job_id like '%REP%') OR (job_id like '%MAN%')) and (salary>6000);
```

The results grid displays the following data:

last_name	job_id	salary
Russell	SA_MAN	14000.00
Partners	SA_MAN	13500.00
Errazuriz	SA_MAN	12000.00
Cambrault	SA_MAN	11000.00
Zlotkey	SA_MAN	10500.00
Tucker	SA_REP	10000.00
Bernstein	SA_REP	9500.00
Hall	SA_REP	9000.00

The operating system taskbar at the bottom shows the date as 9/16/2021 and the time as 09:45.

7. calculate annual salary of each employee and print them in descending order.

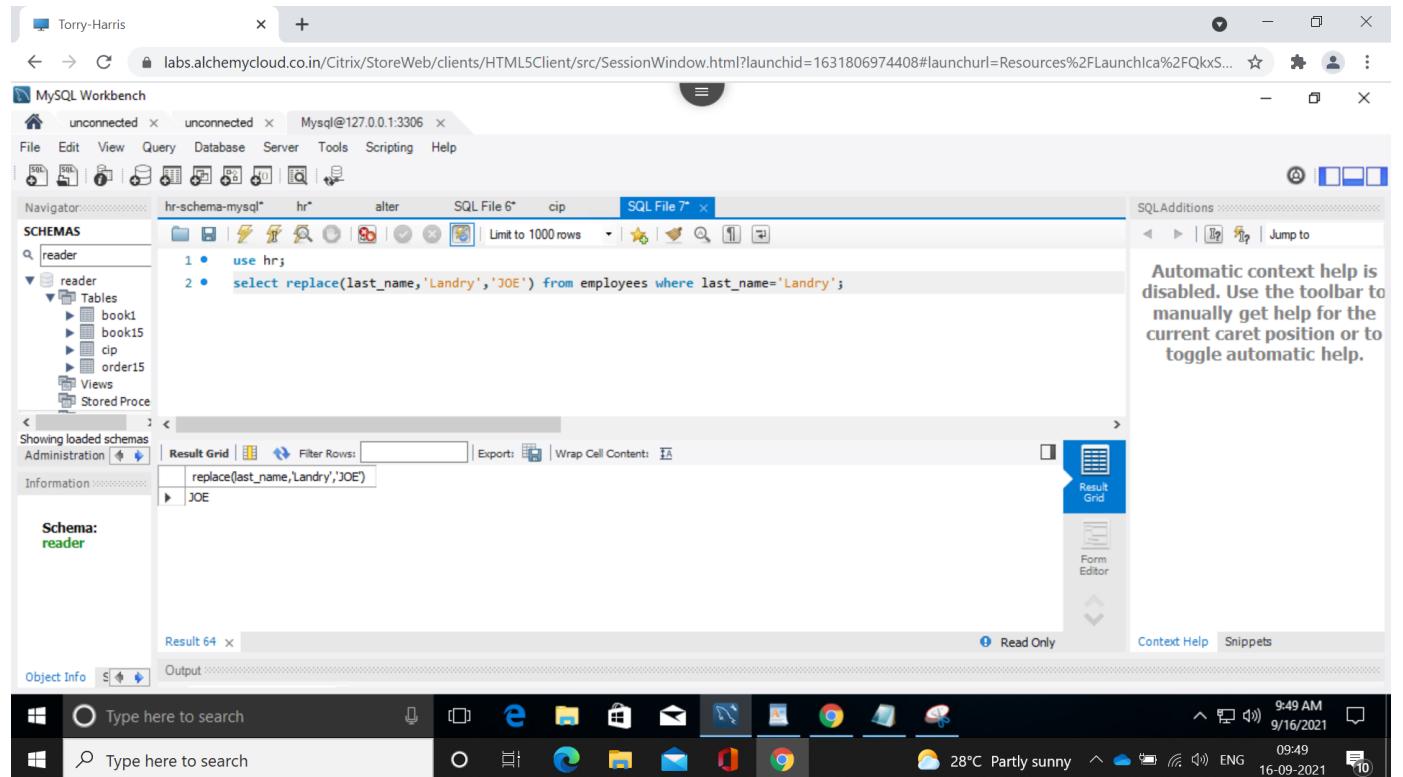


The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:`1 • use hr;
2 • select sum(salary) salary, department_id from employees group by department_id order by department_id desc;`

The results grid displays the following data:

salary	department_id
20300.00	110
51600.00	100
58000.00	90
304500.00	80
10000.00	70
28800.00	60
156400.00	50
6500.00	40

8. replace last\_name to Landry to Joe in employee table.



The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:`1 • use hr;
2 • select replace(last_name,'Landry','JOE') from employees where last_name='Landry';`

The results grid displays the following data:

replace(last_name, 'Landry', 'JOE')
JOE

## 9. position of occurrence of o in last name in last name of all employees

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following code:

```
1 • use hr;
2 • select position( 'o' in last_name) as occurrence from employees;
```

The Result Grid shows the following data:

occurrence
0
2
0
0
4
0
0
0
0
0
2

The status bar at the bottom right indicates the time is 9:58 AM and the date is 9/16/2021.

## 10 . prefix 2020\_bc 84 who work in department 90

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following code:

```
2 • update employees SET last_name = concat('2020_B84', last_name) where department_id=90;
3 • select last_name, department_id from employees where department_id=90;
```

The Result Grid shows the following data:

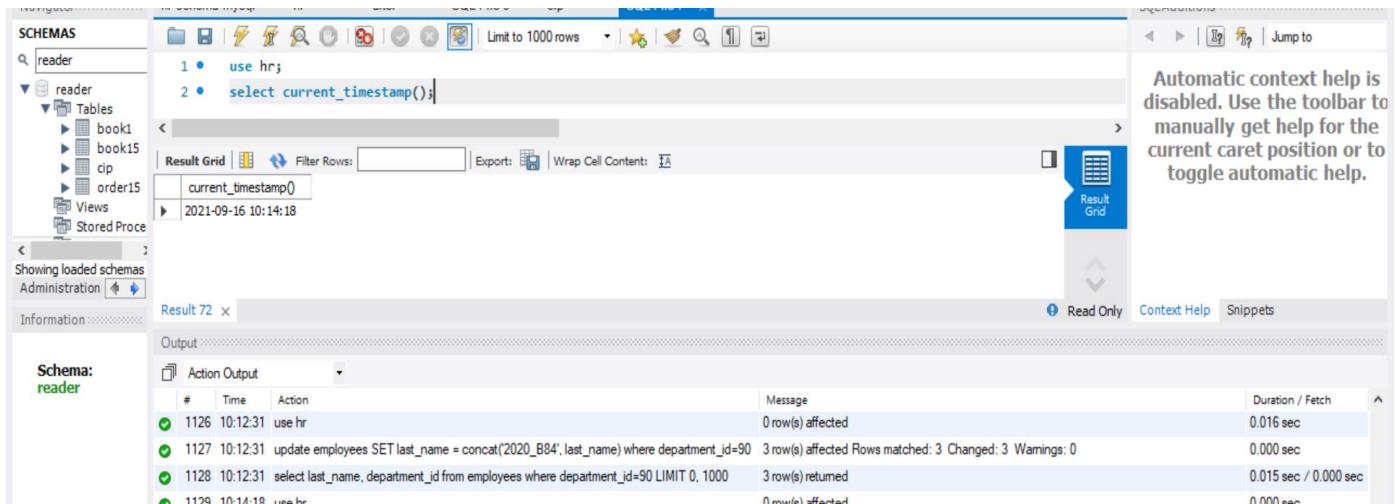
last_name	department_id
2020_B842020_B84King	90
2020_B842020_B84Kochhar	90
2020_B842020_B84De Haan	90

The Action Output pane shows the following log entries:

#	Time	Action	Message	Duration / Fetch
1124	10:10:57	use hr	0 row(s) affected	0.000 sec
1125	10:10:57	update employees SET last_name = concat('2020_B84', last_name) where department_id=90	3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0	0.015 sec
1126	10:12:31	use hr	0 row(s) affected	0.016 sec
1127	10:12:31	update employees SET last_name = concat('2020_B84', last_name) where department_id=90	3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0	0.000 sec
1128	10:12:31	select last_name, department_id from employees where department_id=90 LIMIT 0, 1000	3 row(s) returned	0.015 sec / 0.000 sec

The status bar at the bottom right indicates the time is 10:12 AM and the date is 9/16/2021.

## 11. Current date and time



The screenshot shows the MySQL Workbench interface. In the left sidebar, under the 'reader' schema, there are tables: book1, book15, cip, and order15. The main query editor window contains the following SQL code:

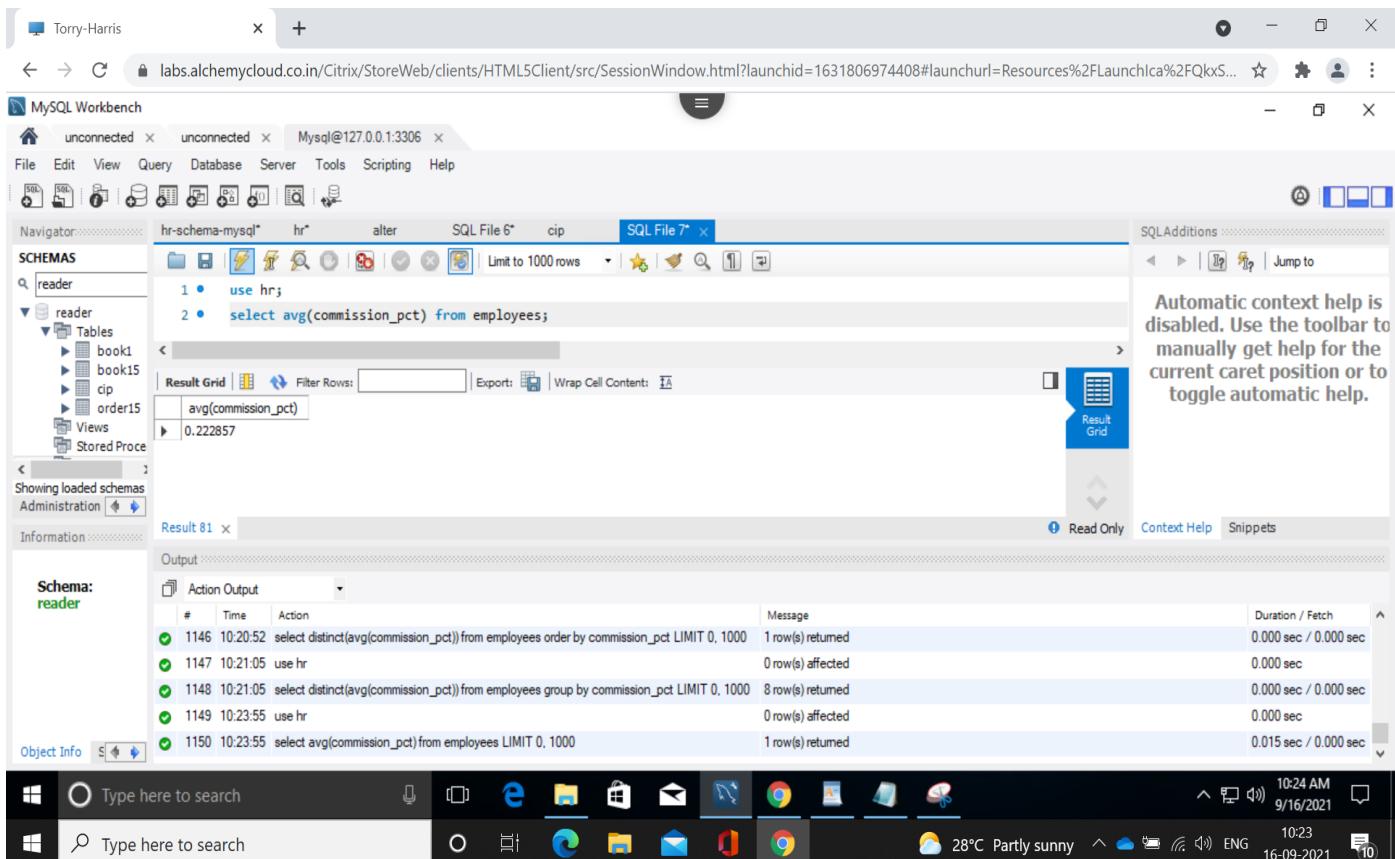
```
1 • use hr;
2 • select current_timestamp();
```

The result grid shows the output of the second query:

current_timestamp()
2021-09-16 10:14:18

The status bar at the bottom right indicates 'Read Only'. A message in the top right corner says: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

## 12. Avg commission paid to all employees



The screenshot shows the MySQL Workbench interface. In the left sidebar, under the 'reader' schema, there are tables: book1, book15, cip, and order15. The main query editor window contains the following SQL code:

```
1 • use hr;
2 • select avg(commission_pct) from employees;
```

The result grid shows the output of the second query:

avg(commission_pct)
0.222857

The status bar at the bottom right indicates 'Read Only'. A message in the top right corner says: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

### 13. Find avg and highest salary paid 80,90,100

The screenshot shows the MySQL Workbench interface. In the Navigator pane, the schema 'reader' is selected. The SQL Editor tab contains the following query:

```
use hr;
select avg(salary), department_id, max(salary) from employees where department_id in (80,90,100) group by department_id;
```

The Result Grid shows the output:

avg(salary)	department_id	max(salary)
8955.882353	80	14000.00
19333.333333	90	24000.00
8600.000000	100	12000.00

The Output pane shows the following log entries:

#	Time	Action	Message
1152	10:25:56	select avg(salary), max(salary) from employees where department_id in (80,90,100) LIMIT 0, ...	1 row(s) returned
1153	10:26:57	use hr	0 row(s) affected

### 14. Department id where highest paid more than 1000.

The screenshot shows the MySQL Workbench interface. In the Navigator pane, the schema 'reader' is selected. The SQL Editor tab contains the following query:

```
use hr;
select department_id, max(salary) as sal from employees where salary > 1000;
```

The Result Grid shows the output:

department_id	sal
90	24000.00

The Output pane shows the following log entries:

#	Time	Action	Message	Duration / Fetch
1172	10:31:27	select department_id, max(salary) as sal from employees where salary > 1000 order by salary LIMIT ...	Error Code: 1054. Unknown column 'sal' in 'where clause'	0.000 sec
1173	10:31:45	use hr	0 row(s) affected	0.000 sec
1174	10:31:45	select department_id, max(salary) as sal from employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
1175	10:32:49	use hr	0 row(s) affected	0.000 sec
1176	10:32:49	select department_id, max(salary) as sal from employees where salary > 1000 LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec

## 15. Dept id who paid max avg salary

The screenshot shows the MySQL Workbench interface. In the SQL editor tab, the following query is run:

```
1 • use hr;
2 •     select max(sal) from (select avg(salary) as sal from employees group by department_id) as d;
```

The result grid displays one row:

max(sal)
19333.333333

## 16. Dept name and location in ernst

The screenshot shows the MySQL Workbench interface. In the SQL editor tab, the following query is run:

```
1 • use hr;
2
3 •     select job_id, last_name from employees where last_name='Ernst';
4
```

The result grid displays one row:

job_id	last_name
IT_PROG	Ernst

## 17. Employee who work in tokyo

The screenshot shows the MySQL Workbench interface. The top bar has tabs for 'New Tab' and 'Torry-Harris'. The main window displays a SQL editor with the following query:

```
1 • use hr;
2
3 • select e.last_name, l.city from employees as e, locations as l, departments as d where e.department_id=d.department_id
and l.city="Tokyo";
```

The results grid shows two columns: 'last\_name' and 'city'. The output pane indicates 0 row(s) affected.

## 18. Employees names who max paid

The screenshot shows the MySQL Workbench interface. The top bar has tabs for 'New Tab' and 'Torry-Harris'. The main window displays a SQL editor with the following query:

```
1 • use hr;
2
3 • select last_name,salary from employees where salary=(select max(salary) from employees);
```

The results grid shows two columns: 'last\_name' and 'salary'. One row is displayed: '2020\_B842020\_B84King' with a salary of '24000.00'. The output pane indicates 0 row(s) affected.

19. Minimum sal

New Tab Torry-Harris

MySQL Workbench +

File Edit View Query Database Server Tools Scripting Help

**Navigator:** hr-schema-mysql\* hr\* alter SQL File 6\* cip SQL File 7\*

**SCHEMAS:** reader

**Tables:** book1, book15, cip, order15

**Views:**

**Stored Procs:**

Showing loaded schemas Administration

Information

**Schema:** reader

```
1 • use hr;
2
3 • select last_name, department_id,min(salary) from employees group by department_id;
```

**Result Grid:**

last_name	department_id	min(salary)
Grant	HULL	7000.00
Whalen	10	4400.00
Hartstein	20	6000.00
Raphaely	30	2500.00
Mavris	40	6500.00
Weiss	50	2100.00
Hunold	60	4200.00

Result 102

**Output:**

#	Time	Action
1151	10:25:56	use hr

Message: 0 row(s) affected

Type here to search

22°C

## 20. Employees name job id and job titles

New Tab Torry-Harris

MySQL Workbench +

File Edit View Query Database Server Tools Scripting Help

**Navigator:** hr-schema-mysql\* hr\* alter SQL File 6\* cip SQL File 7\*

**SCHEMAS:** reader

**Tables:** book1, book15, cip, order15

**Views:**

**Stored Procs:**

Showing loaded schemas Administration

Information

**Schema:** reader

```
1 • use hr;
2
3 • select e.first_name,e.last_name,e.job_id,j.job_title from employees as e inner join jobs as j on
4 e.job_id=j.job_id;
```

**Result Grid:**

first_name	last_name	job_id	job_title
William	Gietz	AC_ACCOUNT	Public Accountant
Shelley	Higgins	AC_MGR	Accounting Manager
Jennifer	Whalen	AD_ASST	Administration Assistant
Steven	2020_B842020_B84King	AD_PRES	President
Neena	2020_B842020_B84Kochhar	AD_VP	Administration Vice President
Lex	2020_B842020_B84De Haan	AD_VP	Administration Vice President
Daniel	Faviet	FI_ACCOUNT	Accountant

Result 103

**Output:**

#	Time	Action
1153	10:26:57	use hr

Message: 0 row(s) affected

Type here to search

22°C