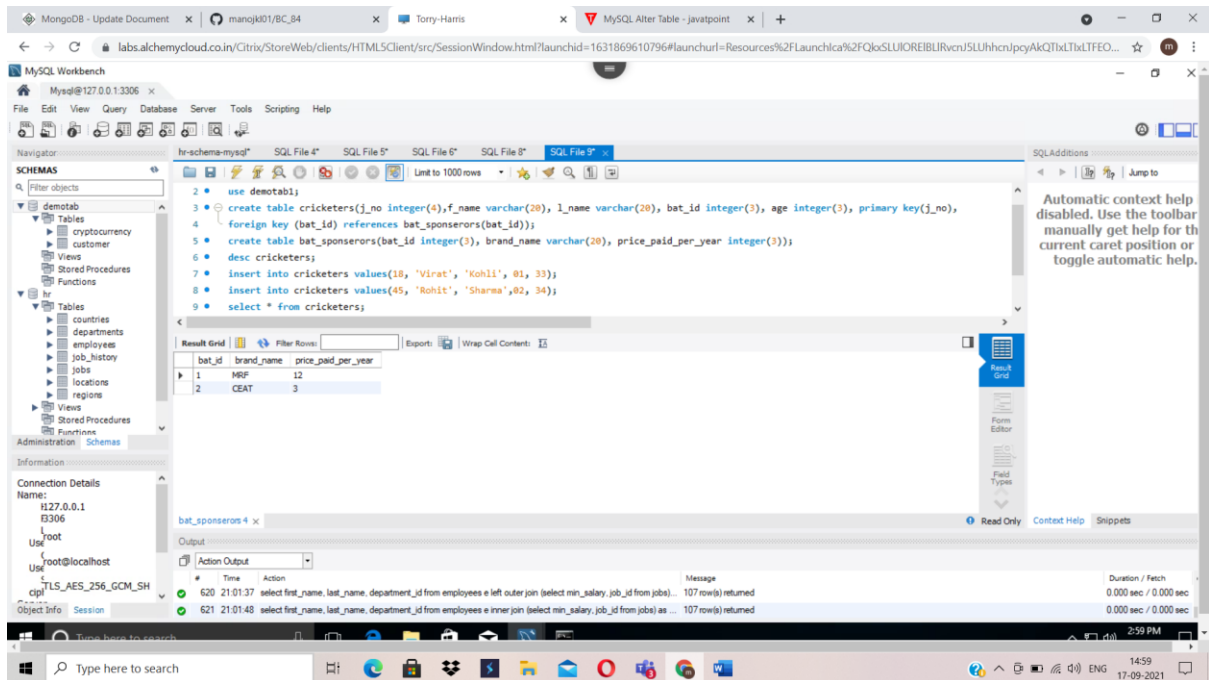


DDL commands:

1) Create

Create table cricketers(j_no integer(4), f_name varchar(20), l_name(20), bat_id integer(3), primary key(j_no), foreign key (bat_id) references bat_sponserors(bat_id));



2) Alter statement:

Alter table cricketers add ipl_team varchar(30) after bat_id;
This adds extra column named as ipl_team

3) Drop statement:

Drop table cricketers;
Deletes whole table

4) Rename statement: rename cricketers to indian_cricketers;

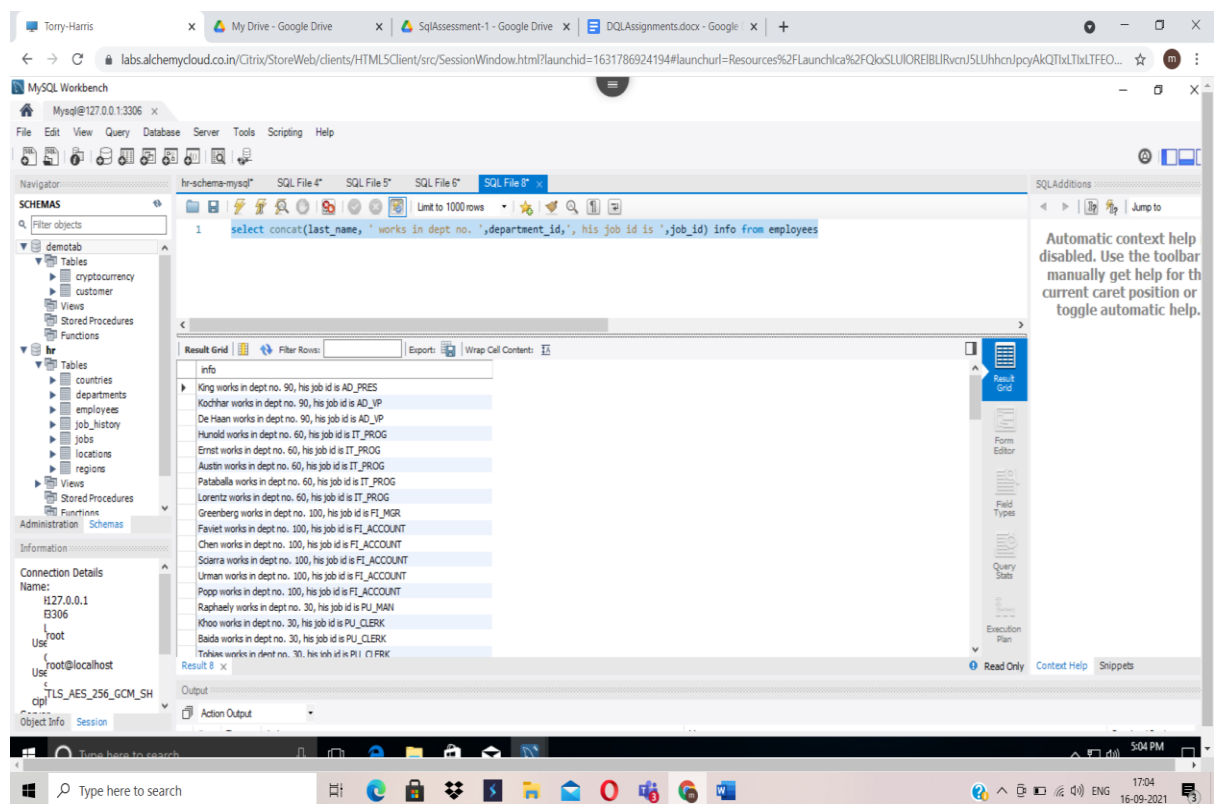
This renames table name cricketers to indian_cricketers

5) Truncate:

Truncate table cricketers;
Deletes all records from table cricketers

DML commands:

- 1) Select: `Select * from employees`
Retrieves data from database
- 2) Insert: `insert into cricketers values(1, 'KL', 'Rahul', 111);`
Insert records into cricketers table
- 3) Update: `update employees set salary=10000 where employee_id=235;`
- 4) Delete: `delete table cricketers where bat_id=111;`
This deletes the specific record of the table cricketers



Date format to get the values of employee who joined in the year 2000

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

```
select employee_id, last_name, hire_date from employees where date_format(hire_date, '%Y')=2000;
```

The result grid displays the following data:

employee_id	last_name	hire_date
128	Markle	2000-03-08
136	Philtanker	2000-02-06
149	Zlotkey	2000-01-29
164	Marvins	2000-01-24
165	Lee	2000-02-23
166	Ande	2000-03-24
167	Banda	2000-04-21
173	Kumar	2000-04-21
179	Johnson	2000-01-04
183	Geoni	2000-02-03
199	Grant	2000-01-13
none	none	none

Details of employee who work as representative or manager using %man% to track the word in the id

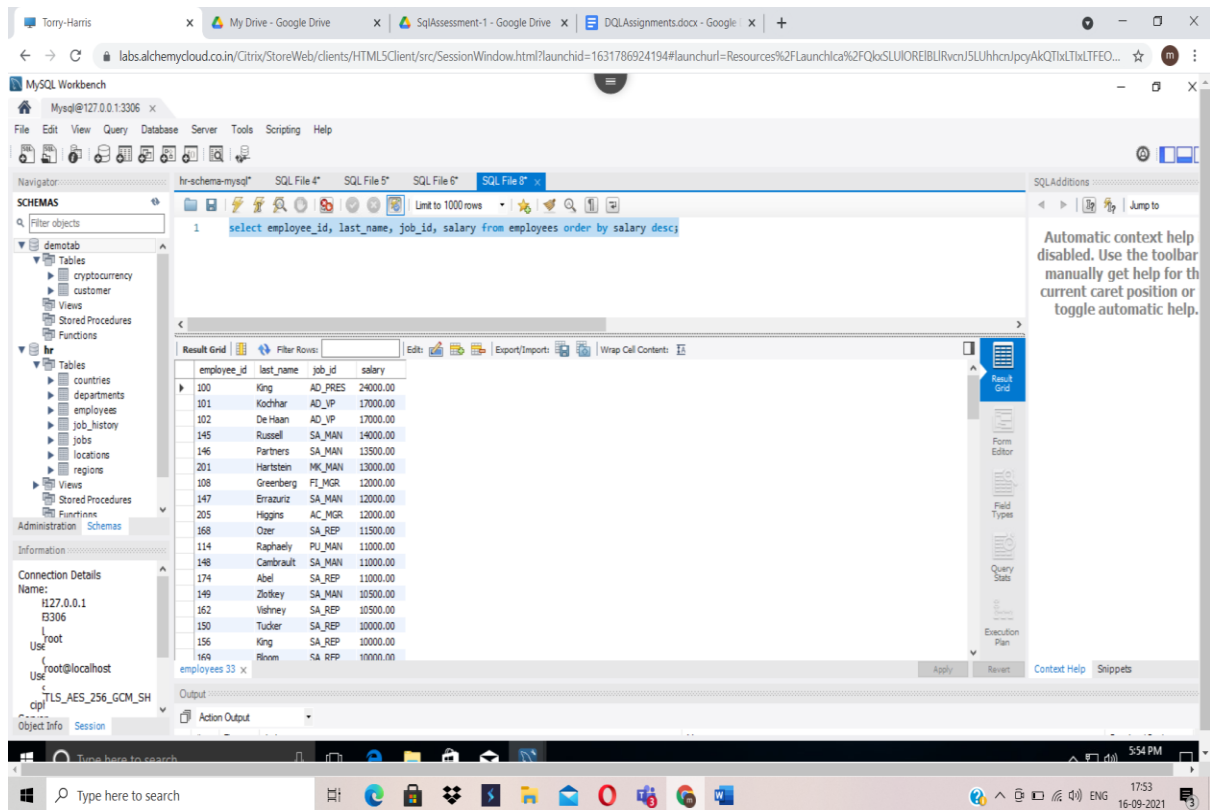
The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
select employee_id, last_name, job_id, salary from employees where (job_id like '%REP%' or job_id like '%MAN%') and salary>5000
```

The result grid displays the following data:

employee_id	last_name	job_id	salary
145	Russell	SA_MAN	14000.00
146	Partners	SA_MAN	13500.00
147	Errazuriz	SA_MAN	12000.00
148	Cambraut	SA_MAN	11000.00
149	Zlotkey	SA_MAN	10500.00
150	Tucker	SA_REP	10000.00
151	Bernsten	SA_REP	9500.00
152	Hall	SA_REP	9000.00
153	Olsen	SA_REP	8000.00
154	Cambraut	SA_REP	7500.00
155	Tuvault	SA_REP	7000.00
156	King	SA_REP	10000.00
157	Sully	SA_REP	9500.00
158	McEwen	SA_REP	9000.00
159	Smith	SA_REP	8000.00
160	Doran	SA_REP	7500.00
161	Camall	SA_REP	7000.00

Arranging employees details by descending order of their salaries



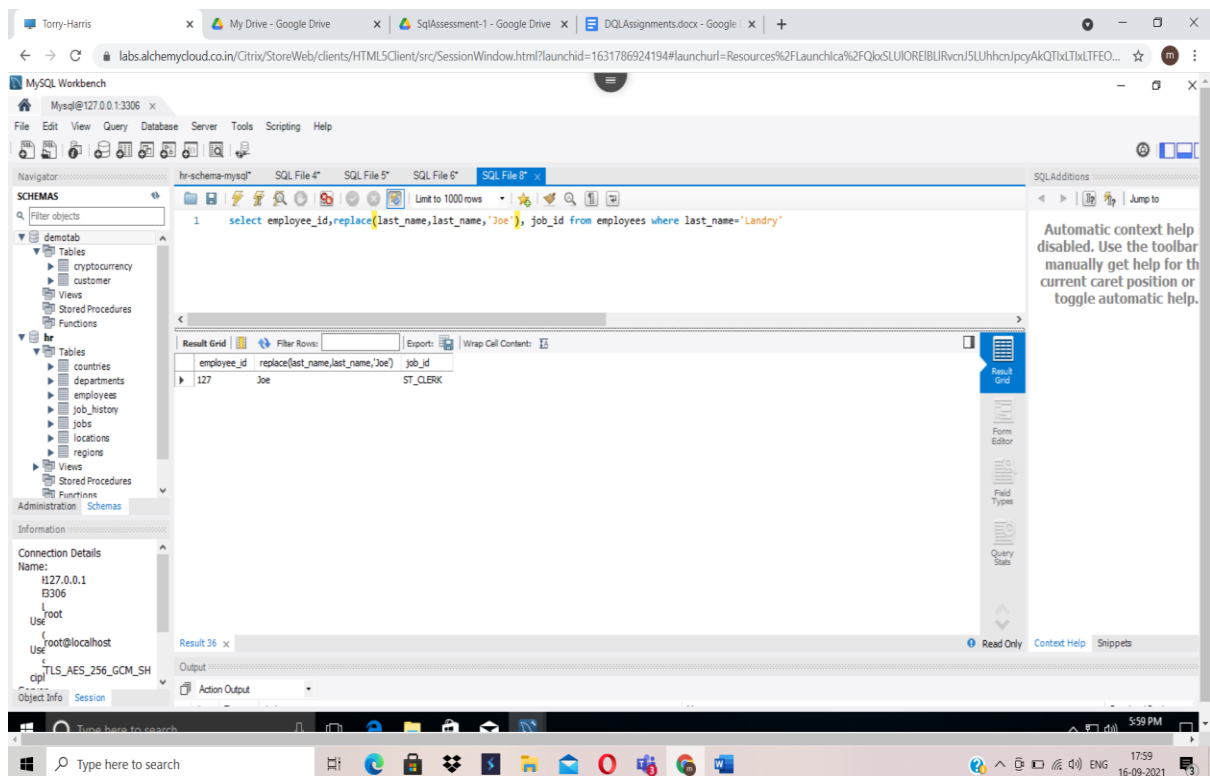
The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 select employee_id, last_name, job_id, salary from employees order by salary desc;
```

The result grid displays the following data:

employee_id	last_name	job_id	salary
100	King	AD_PRES	24000.00
101	Kochhar	AD_VP	17000.00
102	De Haan	AD_VP	17000.00
145	Russell	SA_MAN	14000.00
146	Partners	SA_MAN	13500.00
201	Hartstein	MK_MAN	13000.00
108	Greenberg	FI_MGR	12000.00
147	Brazzini	SA_MAN	12000.00
205	Higgins	AC_MGR	12000.00
168	Ozer	SA_REP	11500.00
114	Raphaely	PU_MAN	11000.00
148	Cambraut	SA_MAN	11000.00
174	Abel	SA_REP	11000.00
149	Zlotkey	SA_MAN	10500.00
162	Vishney	SA_REP	10500.00
130	Tucker	SA_REP	10000.00
156	King	SA_REP	10000.00
140	Rivern	SA_RFP	10000.00

Using replace command



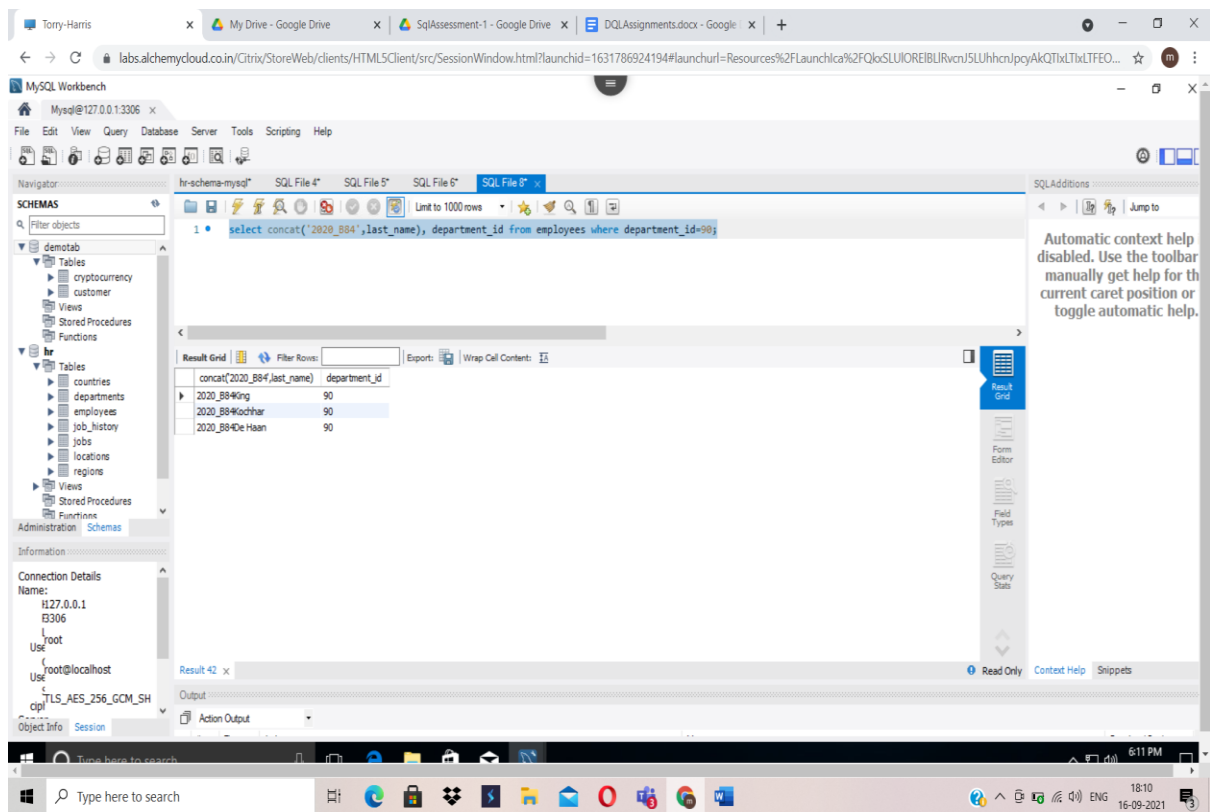
The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 select employee_id, replace(last_name, last_name, 'Joe'), job_id from employees where last_name='Landry';
```

The result grid displays the following data:

employee_id	replace(last_name, last_name, 'Joe')	job_id
127	Joe	ST_CLERK

Using concat():



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

```
1 • select concat('2020_884',last_name), department_id from employees where department_id=90;
```

The result grid displays the output of the query:

concat('2020_884',last_name)	department_id
2020_884King	90
2020_884Kochhar	90
2020_884De Haan	90

The interface also shows the Navigator pane on the left with the 'hr' schema selected, and the Information pane at the bottom showing connection details for 'root@localhost'.

To get avg and max salary

Torry-Harris x My Drive - Google Drive x SqlAssessment-1 - Google Drive x DQLAssignments.docx - Google x +

labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1631786924194#launchurl=Resources%2FLaunchica%2FQloSLUIOREIBURvcn/SLUhhcn/pcyAkQTxLTxLTfEO...

MySQL Workbench

MySQL@127.0.0.1:3306 x

File Edit View Query Database Server Tools Scripting Help

Navigator: hr-schema-mysql* SQL File 4* SQL File 5* SQL File 6* SQL File 8*

SCHEMAS

Filter objects

demotab

- Tables
 - cryptocurrency
 - customer
- Views
- Stored Procedures
- Functions

hr

- Tables
 - countries
 - departments
 - employees
 - job_history
 - jobs
 - locations
 - regions
- Views
- Stored Procedures
- Functions

Administration Schemas

Information

Connection Details

Name: 127.0.0.1:3306

Use root@localhost

Use root@localhost

Use TLS_AES_256_GCM_SHA384

Object Info Session

1 • select avg(salary), max(salary), department_id from employees group by department_id having department_id >=80 and department_id<=100;

Result Grid

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

Result 65 x

Output

Automatic context help disabled. Use the toolbar manually get help for the current caret position or toggle automatic help.

Read Only Context Help Snippets

6:35 PM

Type here to search

Using distinct()

Torry-Harris x My Drive - Google Drive x SqlAssessment-1 - Google Drive x DQLAssignments.docx - Google x +

labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1631786924194#launchurl=Resources%2FLaunchica%2FQloSLUIOREIBURvcn/SLUhhcn/pcyAkQTxLTxLTfEO...

MySQL Workbench

MySQL@127.0.0.1:3306 x

File Edit View Query Database Server Tools Scripting Help

Navigator: hr-schema-mysql* SQL File 4* SQL File 5* SQL File 6* SQL File 8*

SCHEMAS

Filter objects

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hr

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 - employees
 - job_history
 - jobs
 - locations
 - regions
- Views
- Stored Procedures
- Functions

Administration Schemas

Information

Connection Details

Name: 127.0.0.1:3306

Use root@localhost

Use root@localhost

Use TLS_AES_256_GCM_SHA384

Object Info Session

1 • select distinct(department_id) from employees where salary>1000;

Result Grid

department_id
90
60
100
30
50
80
110
10
20
40
70
110

Result 68 x

Output

Action Output

Time Action Message Duration / Fetch

541 10:29:08 select avg(salary), max(salary), department_id from employees group by department_id=70 LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec

Automatic context help disabled. Use the toolbar manually get help for the current caret position or toggle automatic help.

Read Only Context Help Snippets

6:41 PM

Type here to search