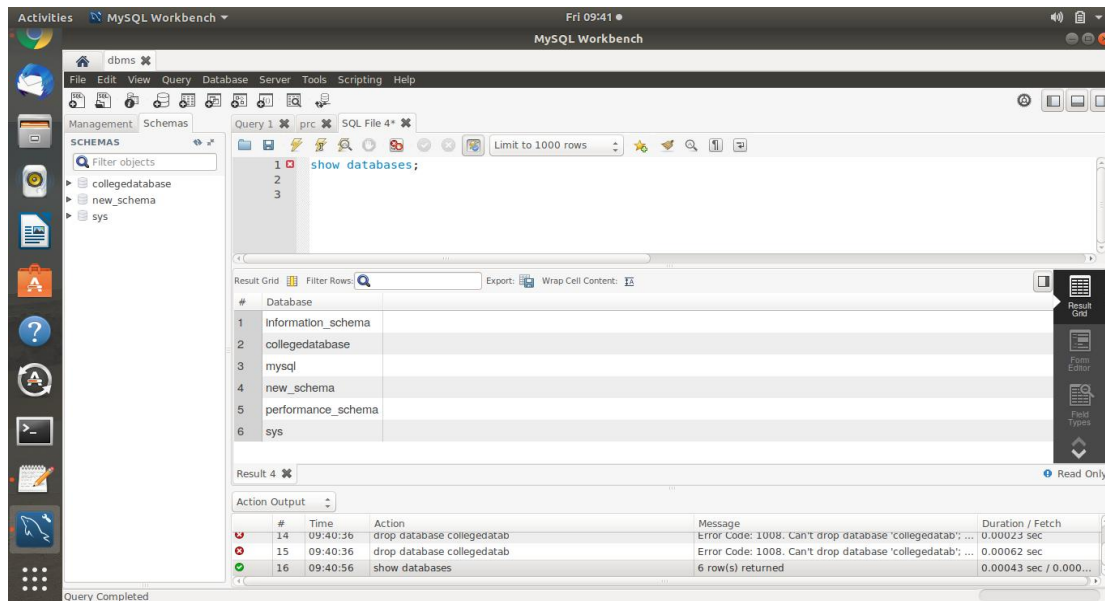


DBMS ASSIGNMENT-3

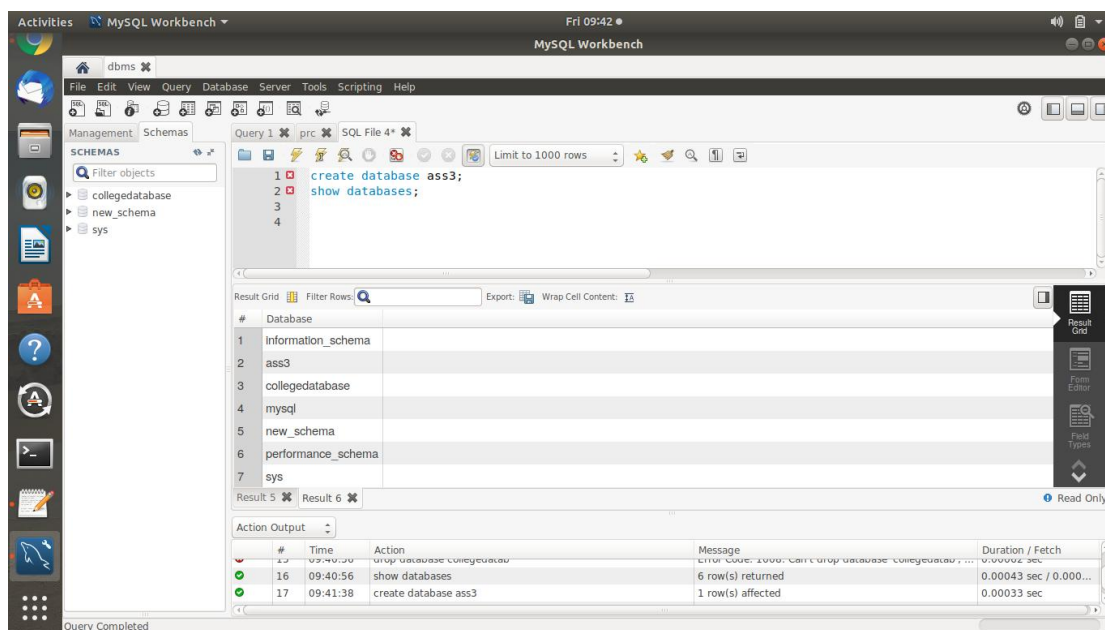
SUBMITTED BY:

Vytla Harsha Vardhan	18bcs118
Pokala Dattatreya	18bcs067
Rama Dundi Saketh	18bcs076
Shaik Fharook	18bcs091
Y Mokshith Ramendra	18bcs112
Umesh Anand Babu	18bcs105
Perumala Tushar	18bcs065

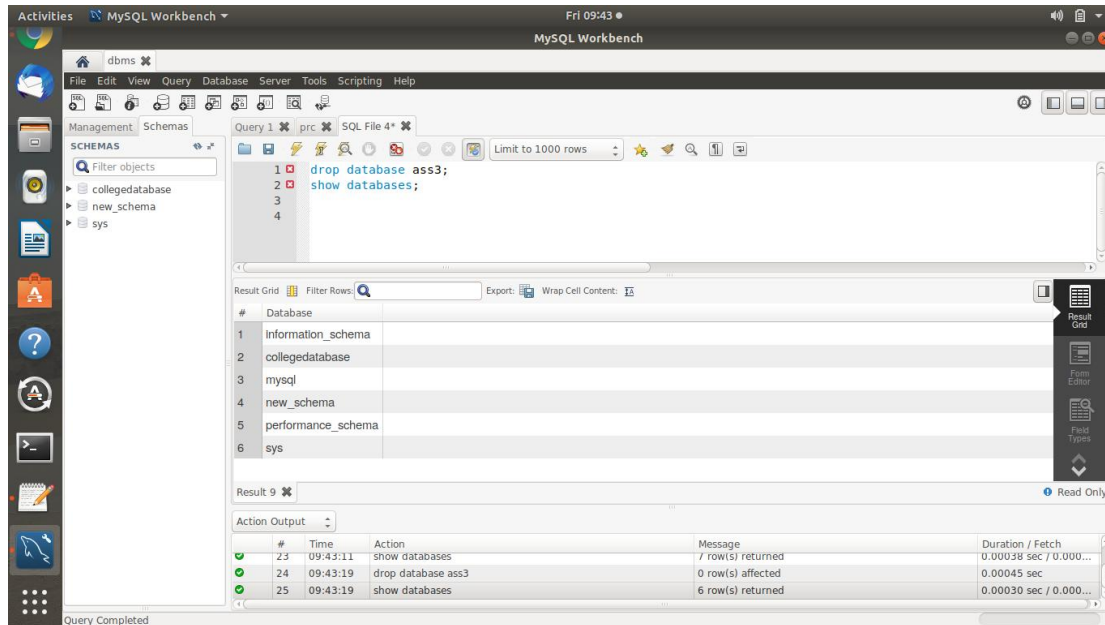
Showing all databases available initially using “show databases”



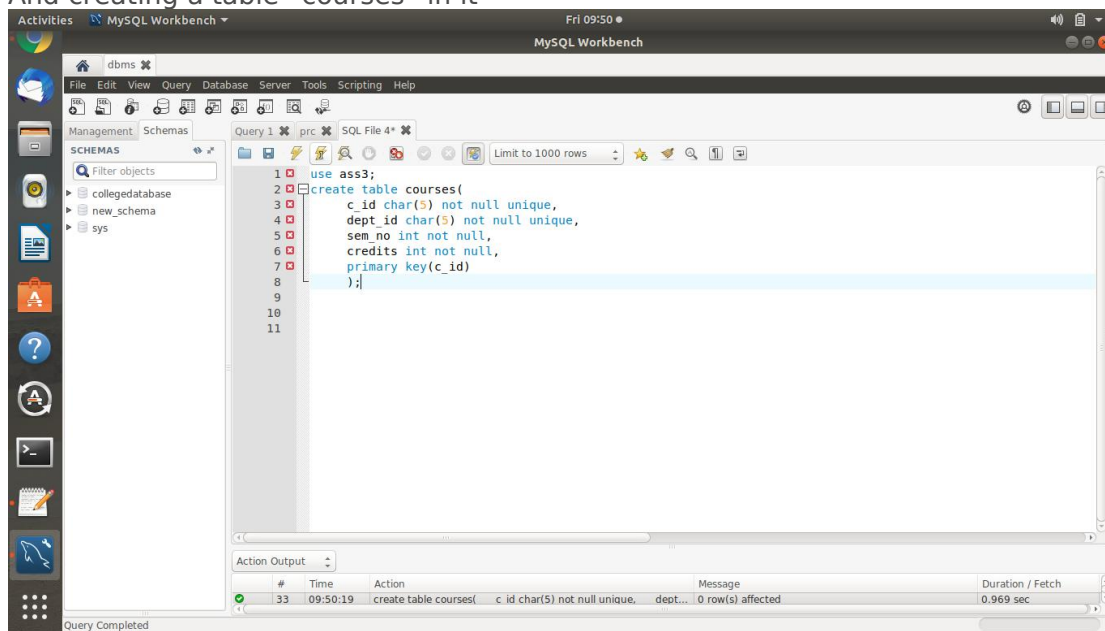
Creating new database “ass3”
and seeing it was created or not by using “show databases”



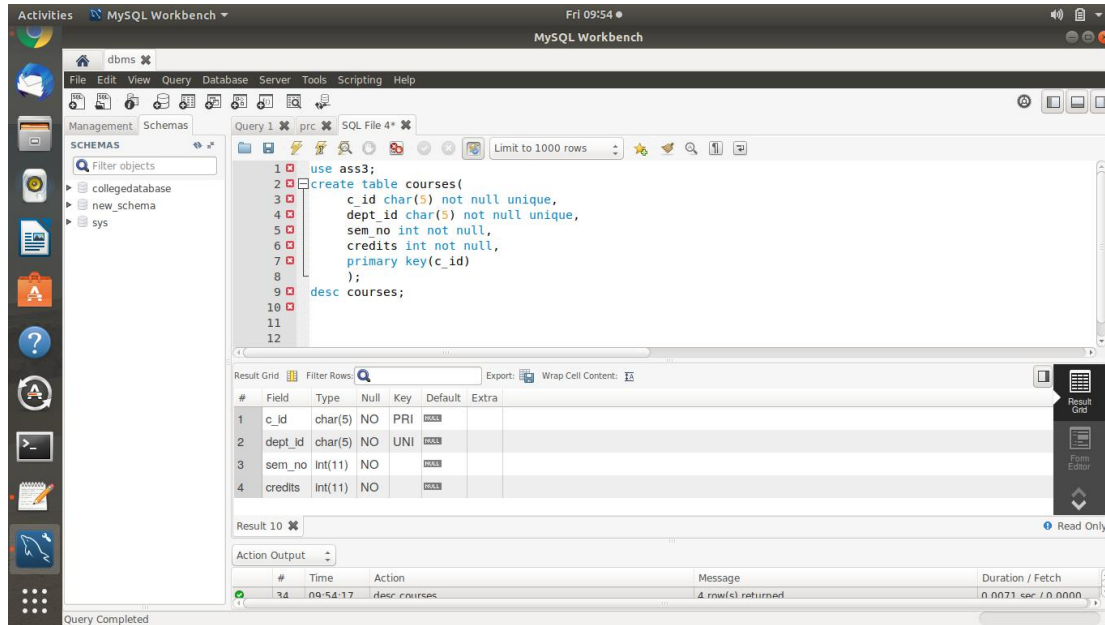
Dropping database “ass3”
and seeing it was drooped or not by using “show databases”



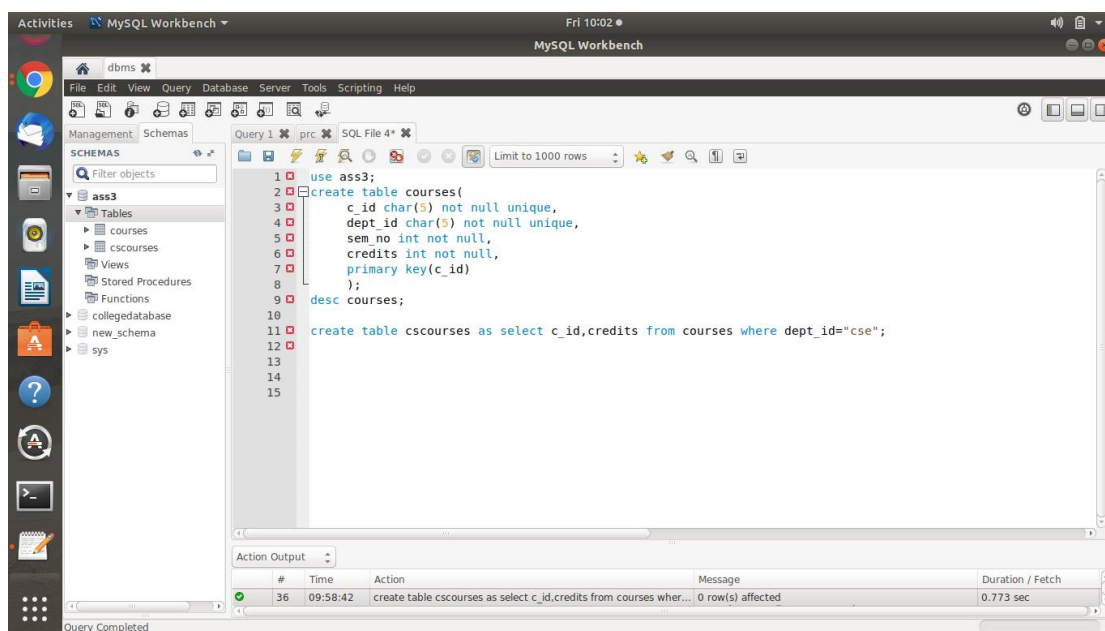
Using database ass3
And creating a table “courses” in it



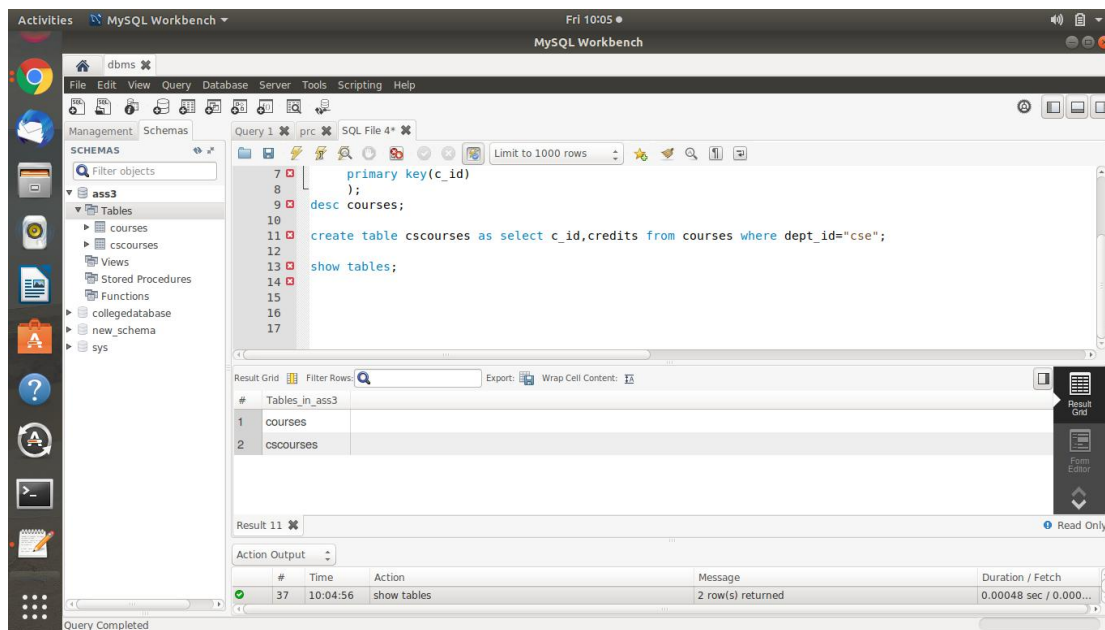
Describing the table created using desc query



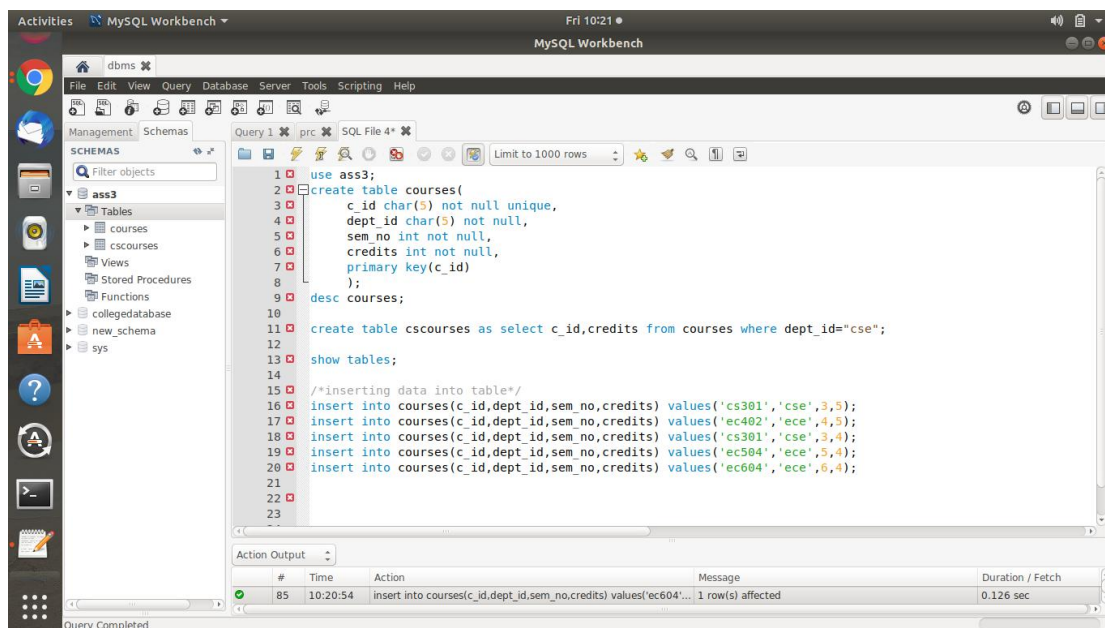
Creating new table "cscourses" from existing table "courses" using SELECT query



Showing the new and old table in database now



Using INSERT query entering values into the table "courses"



Using simple SELECT query to display all data in table “courses” using select * from courses;

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

```
20 insert into courses(c_id,dept_id,sem_no,credits) values('cs302','cse',3,4);
21 insert into courses(c_id,dept_id,sem_no,credits) values('ec504','ece',5,4);
22 insert into courses(c_id,dept_id,sem_no,credits) values('ec604','ece',6,4);
23
24 /*select query for display all rows of table*/
25 select * from courses;
```

The Result Grid displays the following data:

#	c_id	dept_id	sem_no	credits
1	cs301	cse	3	5
2	cs302	cse	3	4
3	ec402	ece	4	5
4	ec504	ece	5	4
5	ec604	ece	6	4

The Action Output shows the query execution details:

#	Time	Action	Message	Duration / Fetch
143	10:36:27	select * from courses LIMIT 0, 1000	5 row(s) returned	0.00034 sec / 0.000...

SELECT query with relational operator

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

```
25 select * from courses;
26
27 /*using relational operators with select statement*/
28 /*finding courses with department id for courses of credits 5*/
29 select c_id,dept_id from courses where credits=5;
```

The Result Grid displays the following data:

#	c_id	dept_id
1	cs301	cse
2	ec402	ece

The Action Output shows the query execution details:

#	Time	Action	Message	Duration / Fetch
146	10:41:33	select c_id,dept_id from courses where credits=5 LIMIT 0, 1000	2 row(s) returned	0.00032 sec / 0.000...

SELECT query with logical operator

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'ass3' selected, containing tables like 'cscourses', 'collegedatabase', and 'new_schema'. The main editor window shows a SQL query:

```
25 select * from courses;
26
27 /*using relational operators with select statement*/
28 /*finding courses with department if for courses of credits 5*/
29 select c_id,dept_id from courses where credits=5;
30
31 /*using logical operators with select statement*/
32 /*finding courses of cse with credits 5*/
33 select * from courses where credits=5 and dept_id='cse';
34
```

The 'Result Grid' shows the results of the query:

#	c_id	dept_id	sem_no	credits
1	cs301	cse	3	5
*	NULL	NULL	NULL	NULL

The 'Action Output' pane at the bottom shows the execution details:

#	Time	Action	Message	Duration / Fetch
147	10:43:34	select * from courses where credits=5 and dept_id='cse' LIMIT...	1 row(s) returned	0.00028 sec / 0.000...

Implementing simple sub query

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'ass3' selected. The main editor window shows a SQL query:

```
12 insert into courses(c_id,dept_id,sem_no,credits) values('cs301','cse',3,5);
13 insert into courses(c_id,dept_id,sem_no,credits) values('ec402','ece',4,5);
14 insert into courses(c_id,dept_id,sem_no,credits) values('cs302','cse',3,4);
15 insert into courses(c_id,dept_id,sem_no,credits) values('ec504','ece',5,4);
16 insert into courses(c_id,dept_id,sem_no,credits) values('ec604','ece',6,4);
17
18
19 /*using subquery finding ececourses from courses of credits=4*/
20 select c_id from courses where credits=4 and c_id in (select c_id from courses where dept_id='ece');
21
22
23
```

The 'Result Grid' shows the results of the query:

#	c_id
1	ec504
2	ec604
*	NULL

The 'Action Output' pane at the bottom shows the execution details:

#	Time	Action	Message	Duration / Fetch
45	12:47:16	select c_id from courses where sem_no in (select sem_no from ...	2 row(s) returned	0.00044 sec / 0.000...
46	12:48:21	select c_id from courses where credits in (select credits from c...	5 row(s) returned	0.00038 sec / 0.000...
47	12:50:48	select c_id from courses where credits=4 and c_id in (select c_...	2 row(s) returned	0.00040 sec / 0.000...