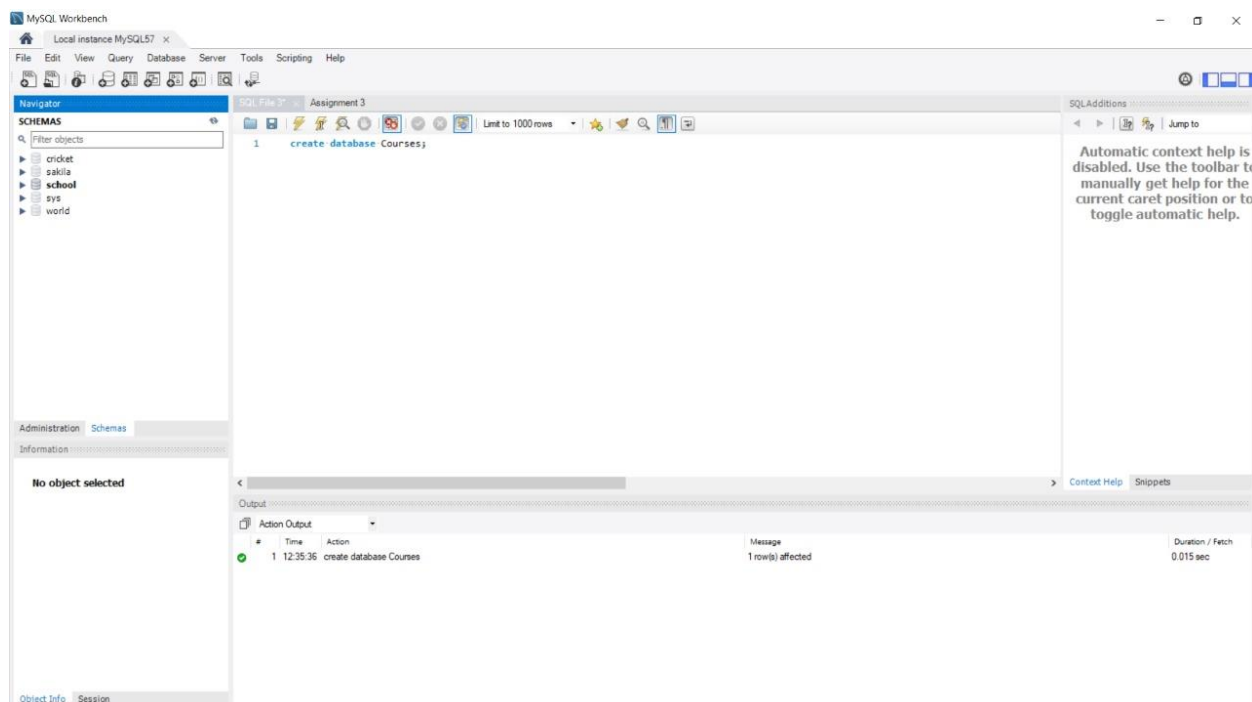
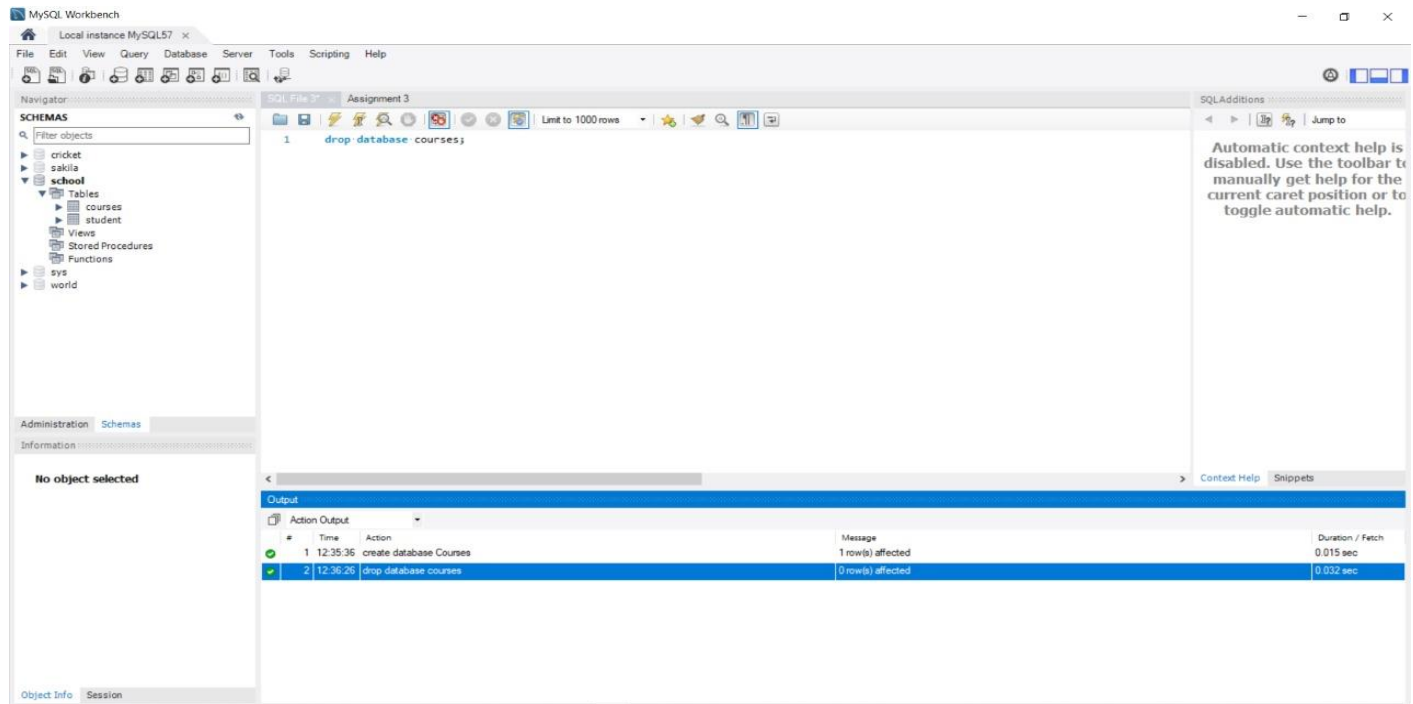
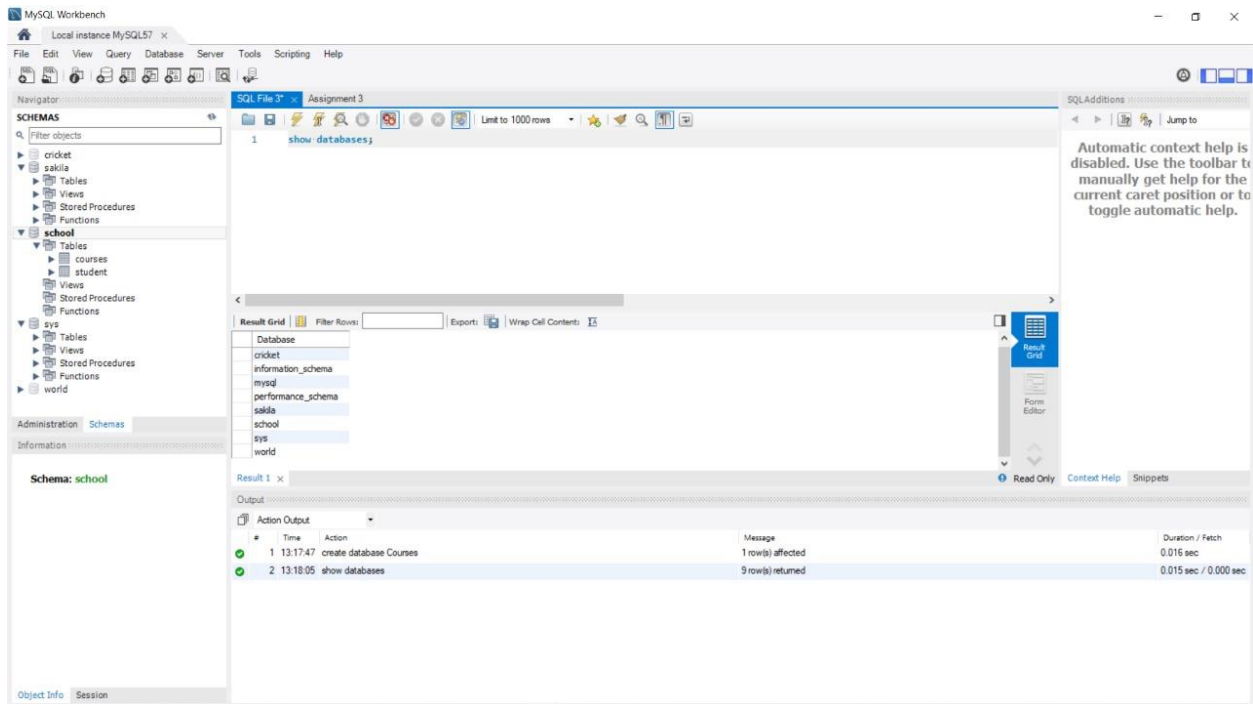


ASSINGMENT 3

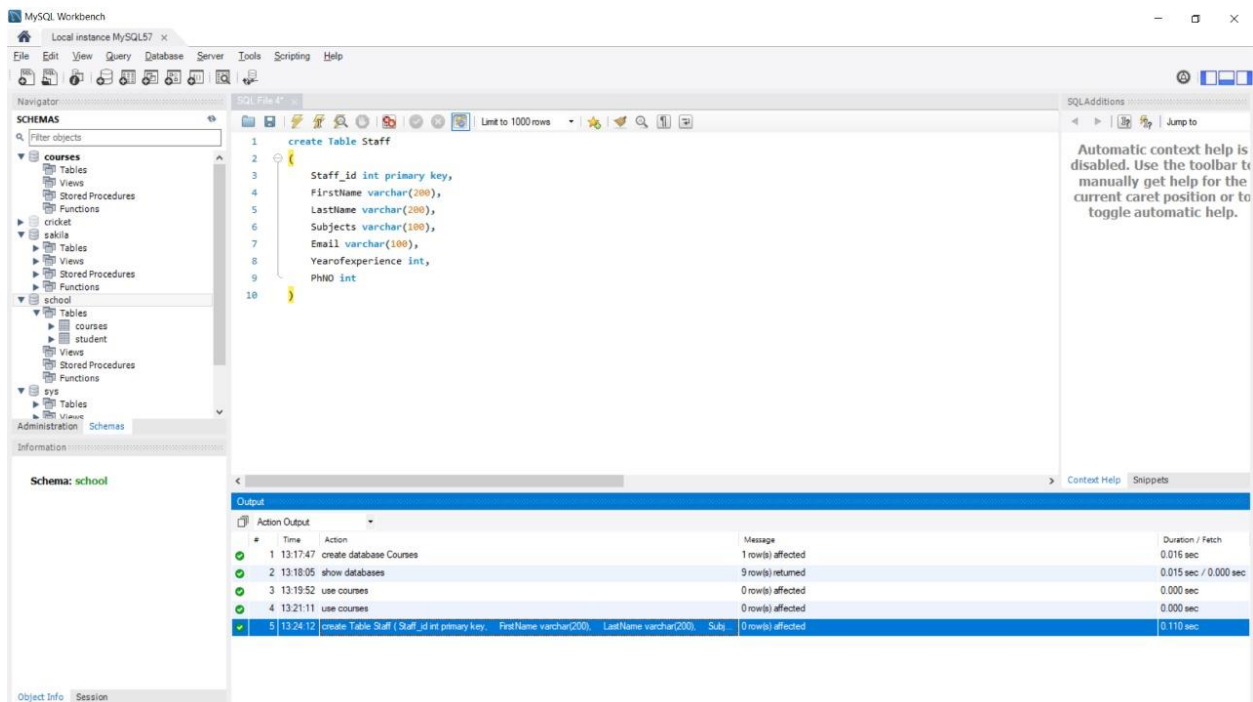
CREATE AND DROP DATABASE



SHOW ALL DATABASE ARE IN SYSTEM



CREATE TABLE FOR DATABASE



SHOW HOW SELECT CAN BE USED FOR CREATING TABLE

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

```
1 • create table Teachers as select Staff_id,FirstName,Lastname from staff;
2 • desc Teachers;
```

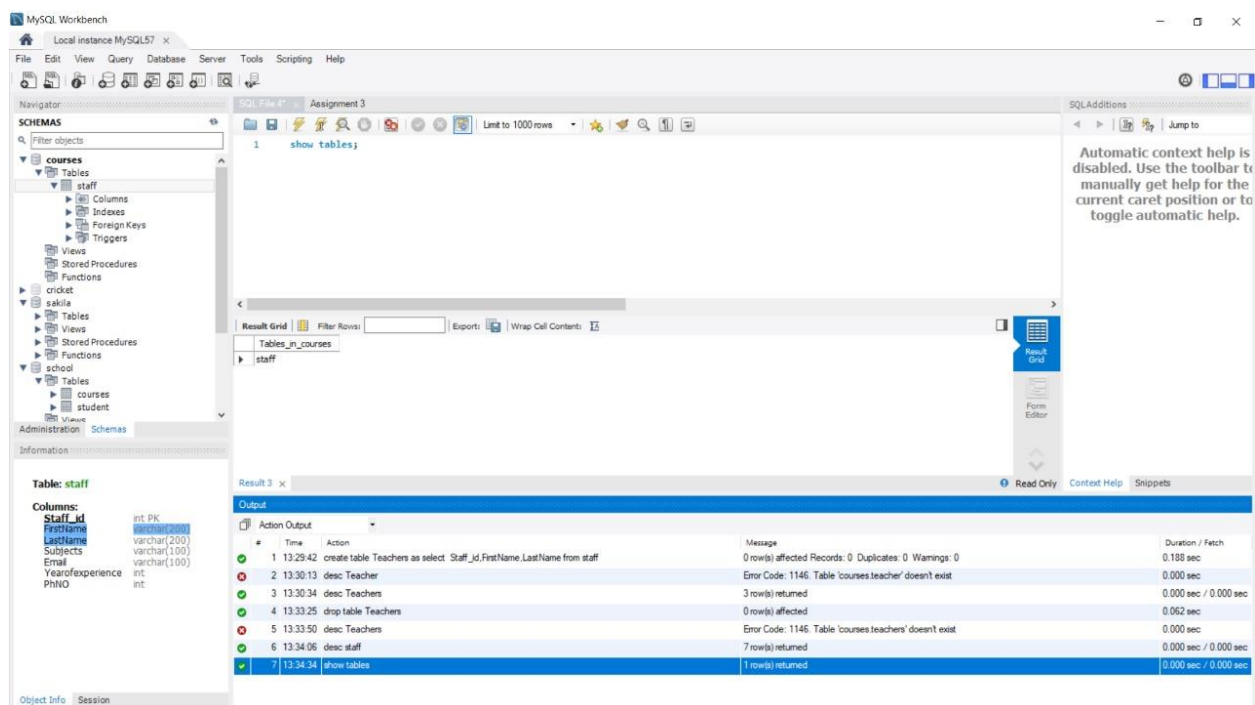
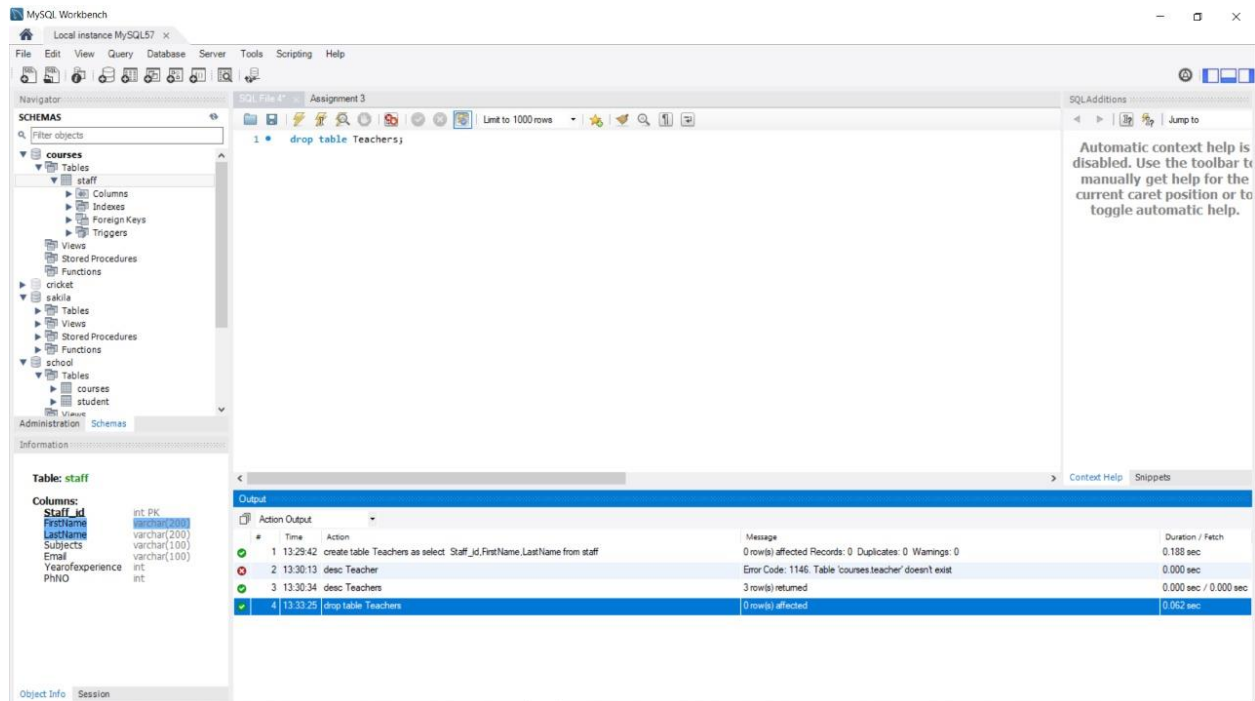
The Result Grid displays the structure of the 'Teachers' table:

Field	Type	Null	Key	Default	Extra
Staff_id	int	NO			INDEX
FirstName	varchar(200)	YES			
LastName	varchar(200)	YES			

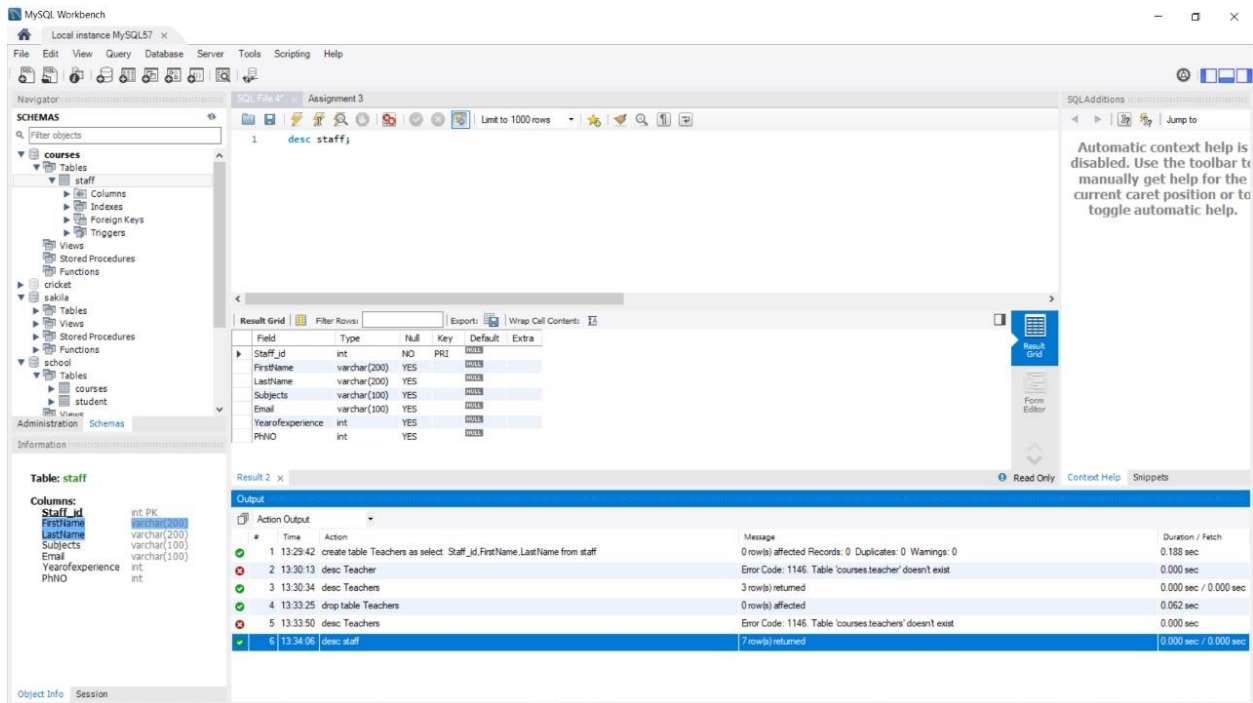
The Output pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	13:29:42	create table Teachers as select Staff_id,FirstName,Lastname from staff	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.188 sec
2	13:30:13	desc: Teacher	Error Code: 1146 Table 'courses.teacher' doesn't exist	0.000 sec
3	13:30:34	desc: Teachers	3 row(s) returned	0.000 sec / 0.000 sec

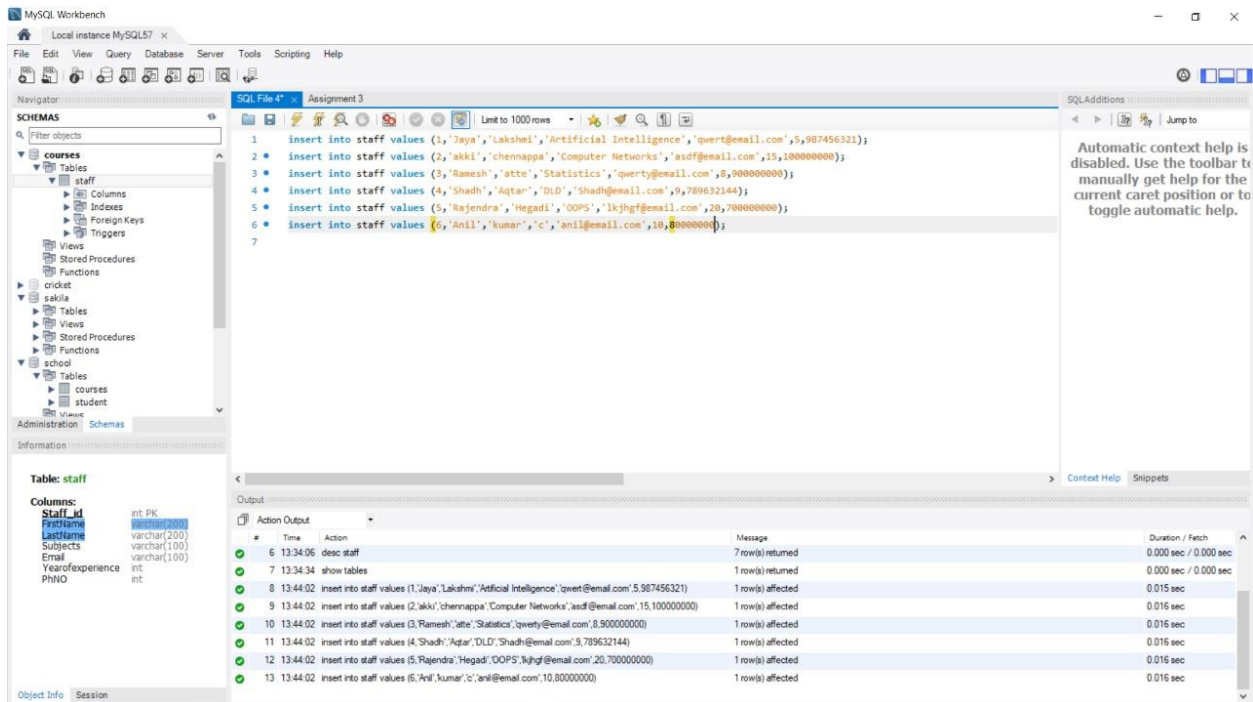
DROP TABLE



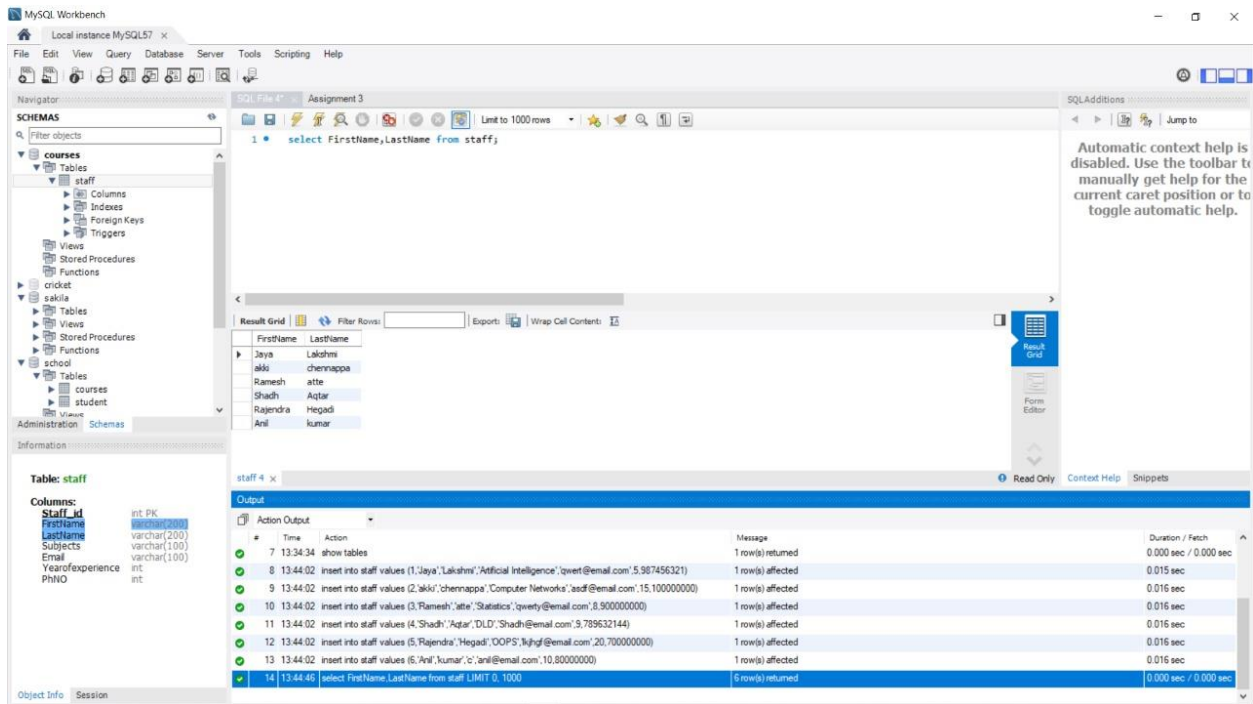
HOW TO CHECK THE SCHEMA OF THE TABLE



INSERT 5-10 ROWS IN EACH OF THE TABLES OF THE DATABASE



USAGE OF SIMPLE SELECT STATEMENT



SELECT STATEMENT USING RELATIONAL AND LOGICAL OPERATORS

MySQL Workbench

Local instance MySQL57 x

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Administration Schemas

Information

Table: staff

Columns:

Staff_id int PK

FirstName varchar(200)

Subjects varchar(100)

Email varchar(100)

Yearofexperience int

PhNO int

SQL File 4 Assignment 3

Limit to 1000 rows

1 select FirstName from staff where Yearofexperience<10;

Result Grid

Filter Rows

Export

Wrap Cell Contents

Read Only Context Help Snippets

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

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	13:44:02	Insert into staff values (1,'Jaya','Lakshmi','Artificial Intelligence','qwerty@email.com',5,987456321)	1 row(s) affected	0.015 sec
9	13:44:02	Insert into staff values (2,'akki','chennappa','Computer Networks','asdf@email.com',15,1000000000)	1 row(s) affected	0.016 sec
10	13:44:02	Insert into staff values (3,'Ramesh','itir','Statistics','qwerty@email.com',8,900000000)	1 row(s) affected	0.016 sec
11	13:44:02	Insert into staff values (4,'Shadi','Aqar','DLD','Shadi@email.com',9,789632144)	1 row(s) affected	0.016 sec
12	13:44:02	Insert into staff values (5,'Rajendra','Hegad','OOPS','hijgf@email.com',20,700000000)	1 row(s) affected	0.016 sec
13	13:44:02	Insert into staff values (6,'Anil','kumar','c','anil@email.com',10,800000000)	1 row(s) affected	0.016 sec
14	13:44:46	select FirstName,LastName from staff LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
15	13:45:38	select FirstName from staff where Yearofexperience<10 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL57 x

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school

Tables

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student

Administration Schemas

Information

Table: staff

Columns:

Staff_id int PK

FirstName varchar(200)

Subjects varchar(100)

Email varchar(100)

Yearofexperience int

PhNO int

SQL File 4 Assignment 3

Limit to 1000 rows

1 select FirstName from staff where Yearofexperience<10;

Result Grid

Filter Rows

Export

Wrap Cell Contents

Read Only Context Help Snippets

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

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	13:44:02	Insert into staff values (2,'akki','chennappa','Computer Networks','asdf@email.com',15,1000000000)	1 row(s) affected	0.016 sec
10	13:44:02	Insert into staff values (3,'Ramesh','itir','Statistics','qwerty@email.com',8,900000000)	1 row(s) affected	0.016 sec
11	13:44:02	Insert into staff values (4,'Shadi','Aqar','DLD','Shadi@email.com',9,789632144)	1 row(s) affected	0.016 sec
12	13:44:02	Insert into staff values (5,'Rajendra','Hegad','OOPS','hijgf@email.com',20,700000000)	1 row(s) affected	0.016 sec
13	13:44:02	Insert into staff values (6,'Anil','kumar','c','anil@email.com',10,800000000)	1 row(s) affected	0.016 sec
14	13:44:46	select FirstName,LastName from staff LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
15	13:45:38	select FirstName from staff where Yearofexperience<10 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
16	13:45:43	select FirstName from staff where Yearofexperience<10 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SIMPLE SUBQUERY USING SELECT

MySQL Workbench

Local instance MySQL57 x

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Information

Table: staff

Columns:

Staff_id int PK

Firstname varchar(200)

Lastname varchar(100)

Subjects varchar(100)

Email varchar(100)

Yearofexperience int

PHNO int

SQL File # Assignment 3

Limit to 1000 rows

1 select * from staff where Staff_id in (select Staff_id from staff where Yearofexperience>7);

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

Result Grid

Staff_id	Firstname	Lastname	Subjects	Email	Yearofexperience	PHNO
2	akki	chennappa	Computer Networks	asdf@email.com	15	100000000
3	Ramesh	atte	Statistics	qwerty@email.com	8	900000000
4	Shadi	Aqtar	DLD	Shadi@email.com	9	789632144
5	Rajendra	Hegadi	OOPS	lkjgf@email.com	20	700000000
6	Anil	kumar	c	anil@email.com	10	800000000

staff 7 x

Apply Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	13:44:02	insert into staff values (3,'Ramesh','atte','Statistics','qwerty@email.com',8,900000000)	1 row(s) affected	0.016 sec
✓ 11	13:44:02	insert into staff values (4,'Shadi','Aqtar','DLD','Shadi@email.com',9,789632144)	1 row(s) affected	0.016 sec
✓ 12	13:44:02	insert into staff values (5,'Rajendra','Hegadi','OOPS','lkjgf@email.com',20,700000000)	1 row(s) affected	0.016 sec
✓ 13	13:44:02	insert into staff values (6,'Anil','kumar','c','anil@email.com',10,800000000)	1 row(s) affected	0.016 sec
✓ 14	13:44:46	select Firstname,Lastname from staff LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 15	13:45:38	select Firstname from staff where Yearofexperience<10 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
✓ 16	13:45:43	select Firstname from staff where Yearofexperience<10 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 17	13:46:56	select * from staff where Staff_id in (select Staff_id from staff where Yearofexperience>7) LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session