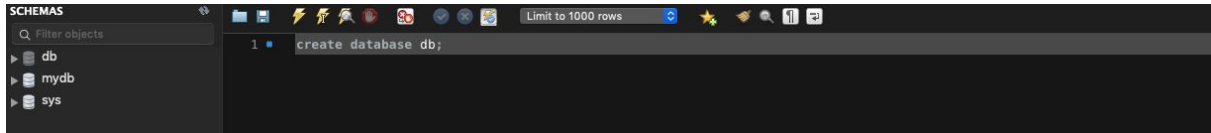


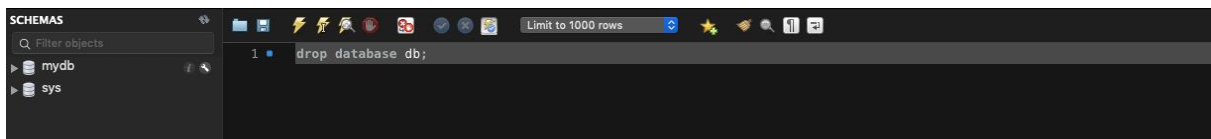
# Assignment 3

## 1. Show how to Create and Drop Database

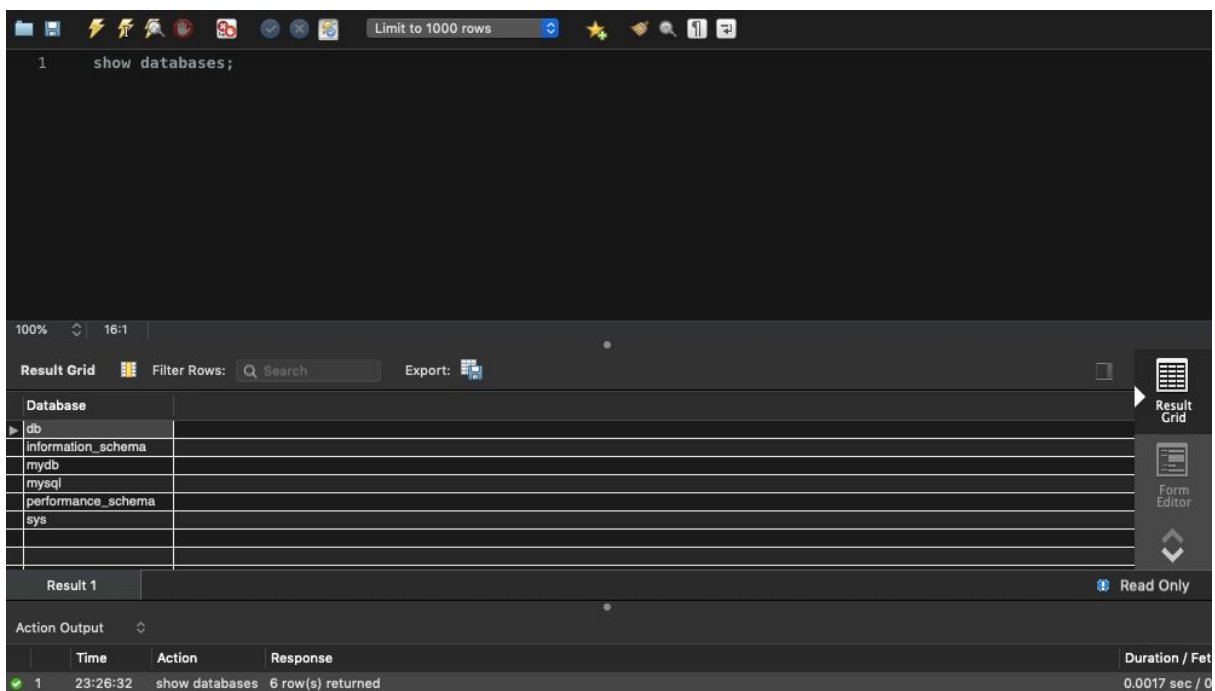
Create Database.



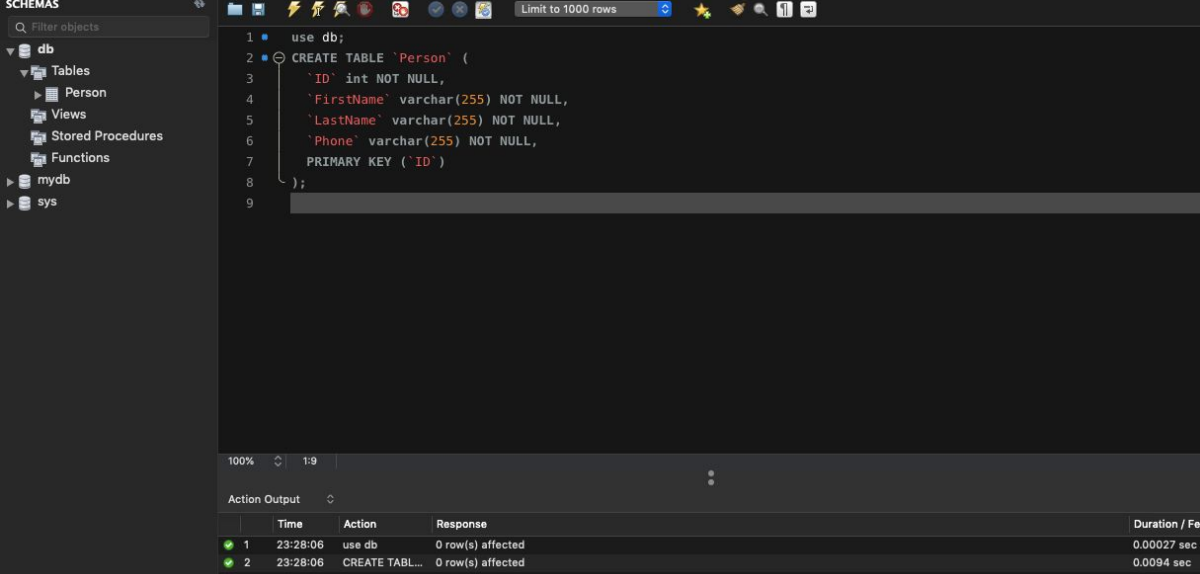
Drop Database.



## 2. Show all the Databases are in the system



### 3. Create Table for your Database



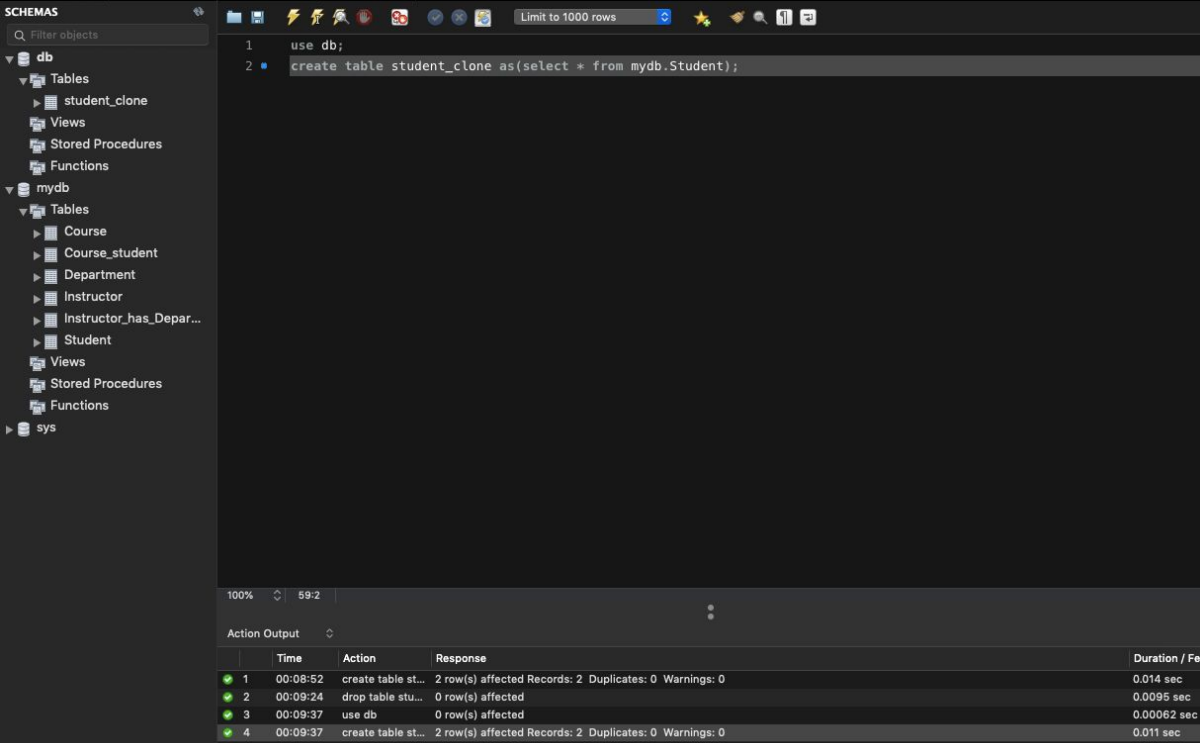
The screenshot shows a SQL IDE interface. On the left, a 'SCHEMAS' tree shows a database 'db' with a table 'Person'. The main editor displays the following SQL code:

```
1 use db;
2 CREATE TABLE `Person` (
3   `ID` int NOT NULL,
4   `FirstName` varchar(255) NOT NULL,
5   `LastName` varchar(255) NOT NULL,
6   `Phone` varchar(255) NOT NULL,
7   PRIMARY KEY (`ID`)
8 );
9
```

Below the editor, the 'Action Output' table shows the execution results:

	Time	Action	Response	Duration / Fet
1	23:28:06	use db	0 row(s) affected	0.00027 sec
2	23:28:06	CREATE TABL...	0 row(s) affected	0.0094 sec

### 4. Show how select can be used for Creating table



The screenshot shows a SQL IDE interface. On the left, a 'SCHEMAS' tree shows a database 'db' with a table 'student\_clone'. The main editor displays the following SQL code:

```
1 use db;
2 create table student_clone as(select * from mydb.Student);
```

Below the editor, the 'Action Output' table shows the execution results:

	Time	Action	Response	Duration / Fet
1	00:08:52	create table st...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.014 sec
2	00:09:24	drop table stu...	0 row(s) affected	0.0095 sec
3	00:09:37	use db	0 row(s) affected	0.00062 sec
4	00:09:37	create table st...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.011 sec

## 5. Drop table

The screenshot shows a database management tool interface. On the left, a tree view displays the database structure with 'db' selected. The main area shows a SQL editor with the following commands:

```
1 use db;
2 drop table Person;
3
```

Below the editor, the 'Action Output' tab is active, displaying a table with the following data:

	Time	Action	Response	Duration / Fet
1	23:28:06	use db	0 row(s) affected	0.00027 sec
2	23:28:06	CREATE TABL...	0 row(s) affected	0.0094 sec
3	23:28:44	use db	0 row(s) affected	0.00043 sec
4	23:28:44	drop table Per...	0 row(s) affected	0.0087 sec

## 6. Show how to check the schema of the tables

The screenshot shows a database management tool interface. On the left, a tree view displays the database structure with 'mydb' selected. The main area shows a SQL editor with the following commands:

```
1 use mydb;
2 describe Student;
```

Below the editor, the 'Result Grid' tab is active, displaying a table with the following data:

Field	Type	Null	Key	Default	Extra
ID	int	NO	PRI	N/A	
FirstName	varchar(255)	NO		N/A	
LastName	varchar(255)	NO		N/A	
Phone	varchar(255)	NO		N/A	

Below the result grid, the 'Action Output' tab is active, displaying a table with the following data:

	Time	Action	Response	Duration / Fet
1	23:53:58	use mydb	0 row(s) affected	0.00033 sec
2	23:53:58	show tables	6 row(s) returned	0.0022 sec / c
3	23:55:05	use mydb	0 row(s) affected	0.00021 sec
4	23:55:05	describe Stud...	4 row(s) returned	0.0017 sec / 0

7. Show all the tables from the database (This is not done in class, I want you to explore. This is a very simple query and I think you should be able to do to it.)

The screenshot shows a database management interface with a dark theme. On the left, a 'SCHEMAS' sidebar lists a database named 'mydb' containing several tables: Course, Course\_student, Department, Instructor, Instructor\_has\_Depar..., and Student. The main editor area contains two SQL statements: 'use mydb;' and 'show tables;'. Below the editor, the 'Result Grid' displays the output of the 'show tables;' query, listing the tables in 'mydb'. At the bottom, the 'Action Output' pane shows a log of the executed actions.

Tables_in_mydb			
Course			
Course_student			
Department			
Instructor			
Instructor_has_Department			
Student			

	Time	Action	Response	Duration / Fet
1	23:53:58	use mydb	0 row(s) affected	0.00033 sec
2	23:53:58	show tables	6 row(s) returned	0.0022 sec / 6

8. Insert 5 to 10 rows in each of the tables of your Database

```
1 INSERT INTO `mydb`.`Student`
2 (`ID`,
3  `FirstName`,
4  `LastName`,
5  `Phone`)
6 VALUES
7 (101,
8  "John",
9  "Wayne",
10 8885544433),
11 (102,
12  "Peter",
13  "Walker",
14 8875544433),
15 (103,
16  "Ben",
17  "Godfrey",
18 8885644433),
19 (104,
20  "Harry",
21  "Winks",
22 8885542433),
23 (105,
24  "Odion",
25  "Ighalo",
26 9885544433);
27
```

100% 13:26

Action Output

	Time	Action	Response	Duration / Fet
1	00:31:49	INSERT INTO `...`	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.0016 sec

```
1 INSERT INTO `mydb`.`Instructor`
2 (`ID`,
3  `headedBy`,
4  `FirstName`,
5  `LastName`,
6  `Phone`)
7 VALUES
8 (100,
9  "H001",
10 "Joe",
11 "Hart",
12 9998866676),
13 (101,
14  "H002",
15  "Lucas",
16  "Moura",
17 9998866675),
18 (102,
19  "H003",
20  "Paul",
21  "Pogba",
22 9998866674),
23 (103,
24  "H004",
25  "Harry",
26  "Kane",
27 9998866673),
28 (104,
29  "H005",
30  "Kane",
31  "Kane",
32 9998866673);
33
```

100% 8:11

Action Output

	Time	Action	Response	Duration / Fet
1	00:22:36	select TABLE...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.0054 sec / 0

```
1 INSERT INTO `mydb`.`Course`
2   (`ID`,
3    `Name`,
4    `start_date`,
5    `end_date`)
6  VALUES
7   (100,
8    "A",
9    "2020/08/05",
10   "2020/10/05"),
11  (101,
12   "B",
13   "2020/08/05",
14   "2020/11/05"),
15  (102,
16   "C",
17   "2020/08/05",
18   "2020/10/22"),
19  (103,
20   "D",
21   "2020/08/05",
22   "2020/12/05"),
23  (104,
24   "E",
25   "2020/08/05",
26   "2020/09/05");
27
```

100% 15:26

Action Output

	Time	Action	Response	Duration / Fet
1	00:15:31	INSERT INTO `...`	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.0049 sec

```
1 INSERT INTO `mydb`.`Department`
2   (`Name`,
3    `Location`)
4  VALUES
5   ("Dept3",
6    "North Block"),
7   ("Dept4",
8    "South Block"),
9   ("Dept5",
10   "East Block"),
11  ("Dept6",
12   "West Block"),
13  ("Dept7",
14   "Central Block");
```

100% 18:14

Action Output

	Time	Action	Response	Duration / Fet
1	00:22:36	INSERT INTO `...`	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.0035 sec

## 9. Show usage of Simple Select Statement

[illegible]

### 10. Select Statement using Relational and Logical operators.

### Relational operator statement



Logical operator statement

[illegible]

## 11. One simple Subquery using select

[illegible]