

Question 1:

```
[MariaDB [(none)]]> Select host, user From mysql.user;
```

Host	User
jun-xiangs-macbook-air.local	
localhost	
localhost	junxiang
localhost	mariadb.sys
localhost	root

```
5 rows in set (0.001 sec)

[MariaDB [(none)]]> CREATE USER 'laujunxiang'@localhost IDENTIFIED BY 'P@ssw0rd';
Query OK, 0 rows affected (0.007 sec)

[MariaDB [(none)]]> GRANT ALL PRIVILEGES ON *.* TO 'laujunxiang'@localhost IDENTIFIED BY 'P@ssw0rd';
Query OK, 0 rows affected (0.004 sec)

[MariaDB [(none)]]> Select host, user From mysql.user;
```

Host	User
jun-xiangs-macbook-air.local	
localhost	
localhost	junxiang
localhost	laujunxiang
localhost	mariadb.sys
localhost	root

```
6 rows in set (0.002 sec)

MariaDB [(none)]]> █
```

Created local user 'laujunxiang' and granted privileges.

```
[MariaDB [(none)]]> SHOW GRANTS for 'laujunxiang'@localhost;
```

Grants for laujunxiang@localhost
GRANT ALL PRIVILEGES ON *.* TO 'laujunxiang'@'localhost' IDENTIFIED BY PASSWORD '*8232A1298A49F710DBEE0B330C42EEC825D4190A'

```
1 row in set (0.000 sec)

MariaDB [(none)]]> █
```

Show granted privileges given for the newly created local user.

Question 2:

```
[MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
| test |
+-----+
5 rows in set (0.003 sec)

MariaDB [(none)]> CREATE DATABASE laujunxiangDB
[ -> ;
Query OK, 1 row affected (0.001 sec)

[MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| laujunxiangDB |
| mysql |
| performance_schema |
| sys |
| test |
+-----+
6 rows in set (0.001 sec)

[MariaDB [(none)]> USE laujunxiangdb;
Database changed
```

```
MariaDB [laujunxiangDB]> CREATE TABLE IF NOT EXISTS students( sid INT, name VARCHAR(255) NOT NULL,
[ -> grade VARCHAR(3), PRIMARY KEY (sid) );
Query OK, 0 rows affected (0.020 sec)

MariaDB [laujunxiangDB]> █
```

Question 3:

```
[MariaDB [laujunxiangdb]> SELECT * FROM students;  
Empty set (0.000 sec)
```

Question 4:

```

MariaDB [laujunxiangdb]> INSERT INTO students(sid, name, grade) VALUES (2001111, 'Lewis', 'NA');
Query OK, 1 row affected (0.003 sec)

MariaDB [laujunxiangdb]> SELECT * FROM students;
+-----+-----+-----+
| sid   | name  | grade |
+-----+-----+-----+
| 2001111 | Lewis | NA    |
+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [laujunxiangdb]> █

```

Inserted user into students table.

```

MariaDB [laujunxiangdb]> INSERT INTO students(sid, name) VALUES (2002222, 'Valtteri');
Query OK, 1 row affected (0.001 sec)

MariaDB [laujunxiangdb]> INSERT INTO students(sid, name) VALUES (2003333, 'Michael');
Query OK, 1 row affected (0.001 sec)

MariaDB [laujunxiangdb]> SELECT * FROM students;
+-----+-----+-----+
| sid   | name    | grade |
+-----+-----+-----+
| 2001111 | Lewis   | NA    |
| 2002222 | Valtteri | NULL   |
| 2003333 | Michael | NULL   |
+-----+-----+-----+
3 rows in set (0.000 sec)

MariaDB [laujunxiangdb]> █

```

Inserted more users into the students table.

Question 5:

```
[MariaDB [laujunxiangdb]> UPDATE students SET grade = 'A+' where sid = 2003333;
Query OK, 1 row affected (0.003 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
[MariaDB [laujunxiangdb]> SELECT * FROM students;
```

```
+-----+-----+-----+
| sid   | name   | grade |
+-----+-----+-----+
| 2001111 | Lewis  | NA    |
| 2002222 | Valtteri | NULL  |
| 2003333 | Michael | A+    |
+-----+-----+-----+
3 rows in set (0.000 sec)
```

```
MariaDB [laujunxiangdb]> █
```

Updated Michael with grade A+

```
[MariaDB [laujunxiangdb]> UPDATE students SET grade = 'A-' where sid = 2002222;
Query OK, 1 row affected (0.001 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
[MariaDB [laujunxiangdb]> SELECT * FROM students;
```

```
+-----+-----+-----+
| sid   | name   | grade |
+-----+-----+-----+
| 2001111 | Lewis  | NA    |
| 2002222 | Valtteri | A-    |
| 2003333 | Michael | A+    |
+-----+-----+-----+
3 rows in set (0.000 sec)
```

```
MariaDB [laujunxiangdb]> █
```

Updated Valtteri with grade A-

Question 6:

```
[MariaDB [laujunxiangdb]> SELECT * FROM students;
+-----+-----+-----+
| sid    | name    | grade |
+-----+-----+-----+
| 2001111 | Lewis   | NA    |
| 2002222 | Valtteri | A-    |
| 2003333 | Michael | A+    |
+-----+-----+-----+
3 rows in set (0.000 sec)

[MariaDB [laujunxiangdb]> DELETE from students WHERE name = 'Valtteri';
Query OK, 1 row affected (0.001 sec)

[MariaDB [laujunxiangdb]> SELECT * FROM students;
+-----+-----+-----+
| sid    | name    | grade |
+-----+-----+-----+
| 2001111 | Lewis   | NA    |
| 2003333 | Michael | A+    |
+-----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [laujunxiangdb]>
```

Deleted Valtteri from students table

```
[MariaDB [laujunxiangdb]> SELECT * FROM students;
+-----+-----+-----+
| sid    | name    | grade |
+-----+-----+-----+
| 2001111 | Lewis   | NA    |
| 2003333 | Michael | A+    |
+-----+-----+-----+
2 rows in set (0.001 sec)

[MariaDB [laujunxiangdb]> DELETE from students;
Query OK, 2 rows affected (0.001 sec)

[MariaDB [laujunxiangdb]> SELECT * FROM students;
Empty set (0.001 sec)

MariaDB [laujunxiangdb]>
```

Delete all users inside the table


```

MariaDB [laujunxiangdb]> show tables;
+-----+
| Tables_in_laujunxiangdb |
+-----+
| students                |
+-----+
1 row in set (0.001 sec)

MariaDB [laujunxiangdb]> DROP table students;
Query OK, 0 rows affected (0.023 sec)

MariaDB [laujunxiangdb]> show tables;
Empty set (0.001 sec)

MariaDB [laujunxiangdb]> 

```

Delete students table

```

MariaDB [laujunxiangdb]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| laujunxiangDB      |
| mysql              |
| performance_schema |
| sys                |
| test               |
+-----+
6 rows in set (0.001 sec)

MariaDB [laujunxiangdb]> DROP database laujunxiangDB
[ -> ;
Query OK, 0 rows affected (0.015 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| sys            |
| test           |
+-----+
5 rows in set (0.000 sec)

MariaDB [(none)]> 

```

Delete laujunxiangDB database

