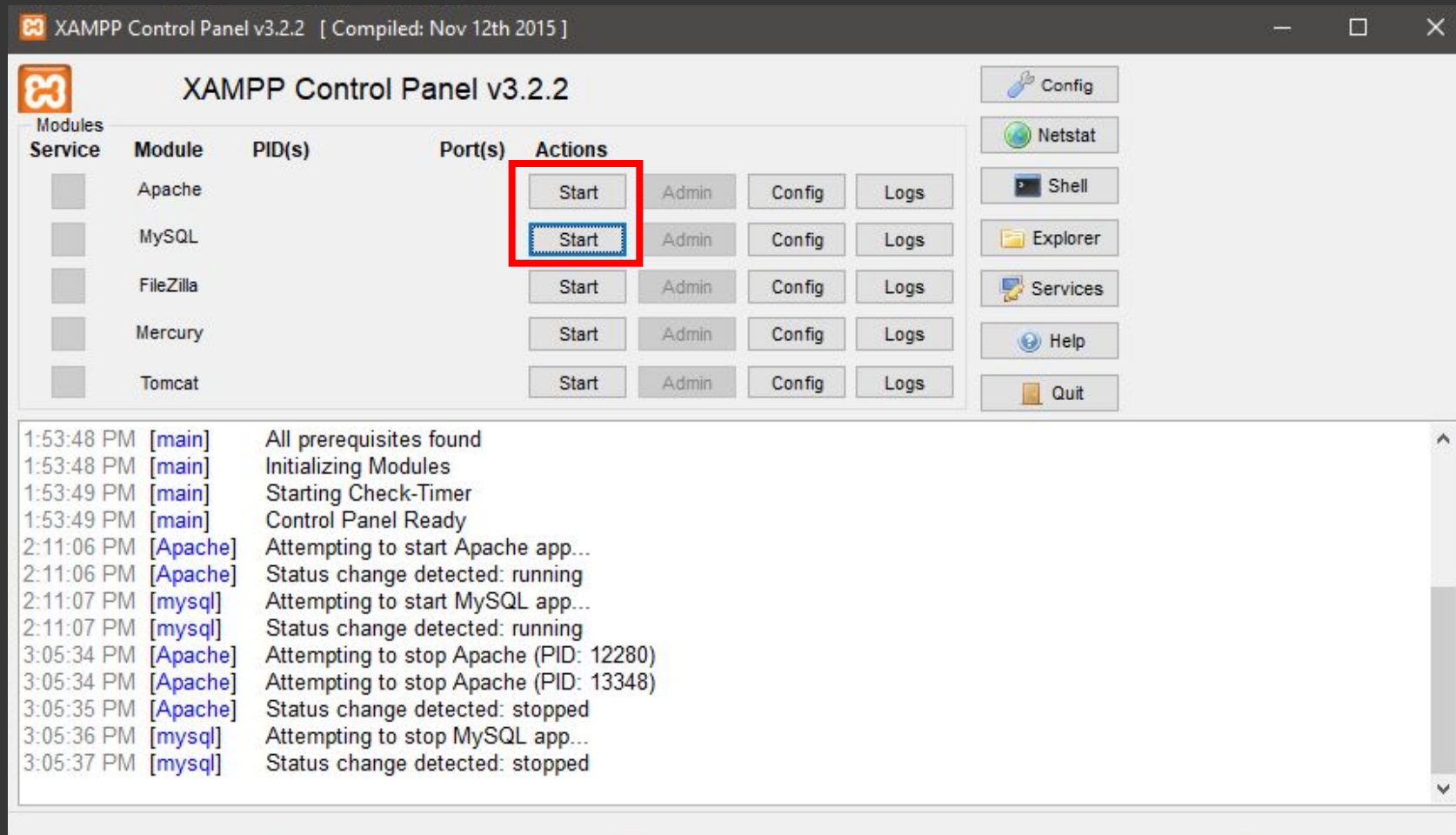


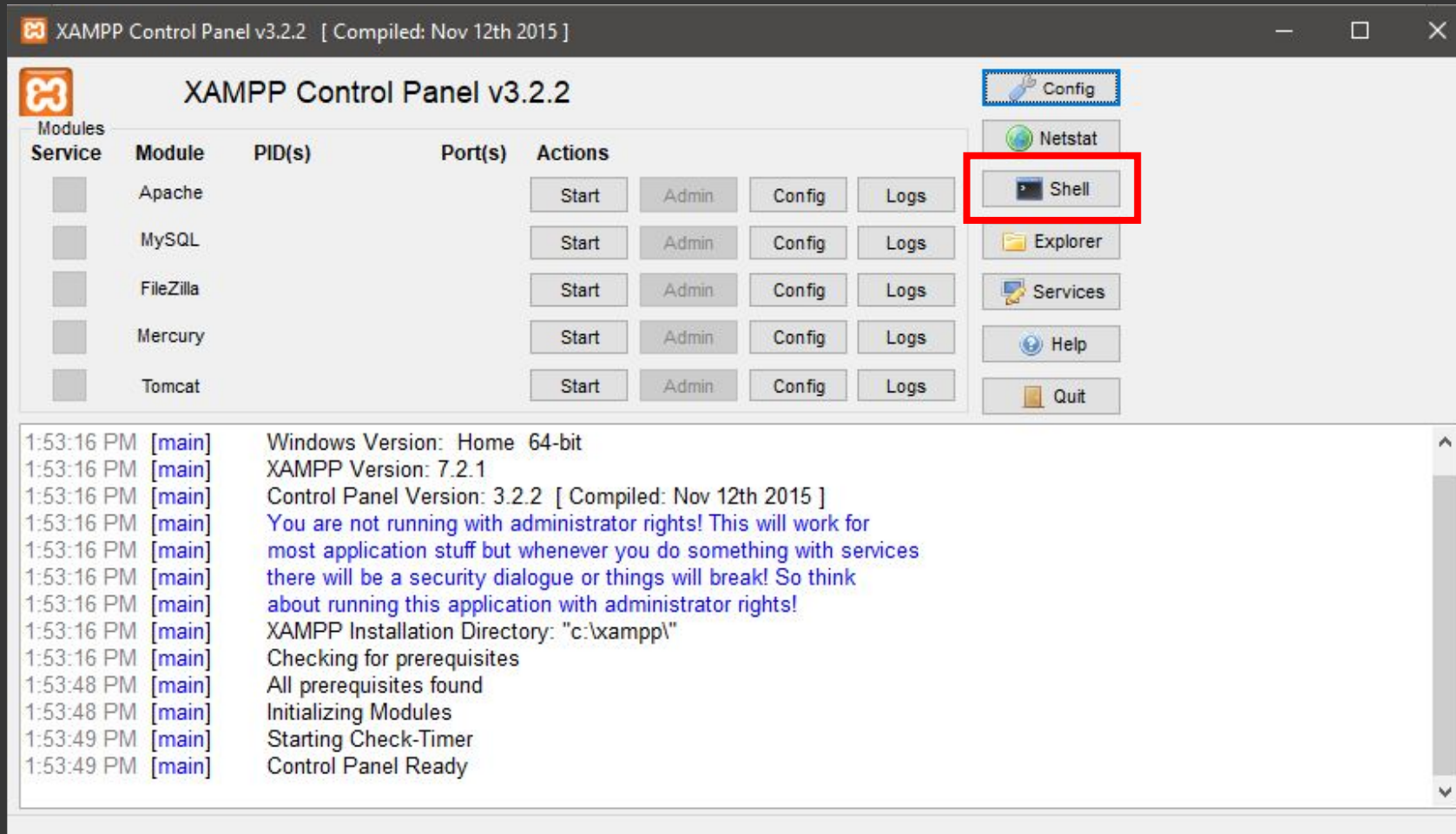
MYSQL

XAMPP CONTROL PANEL

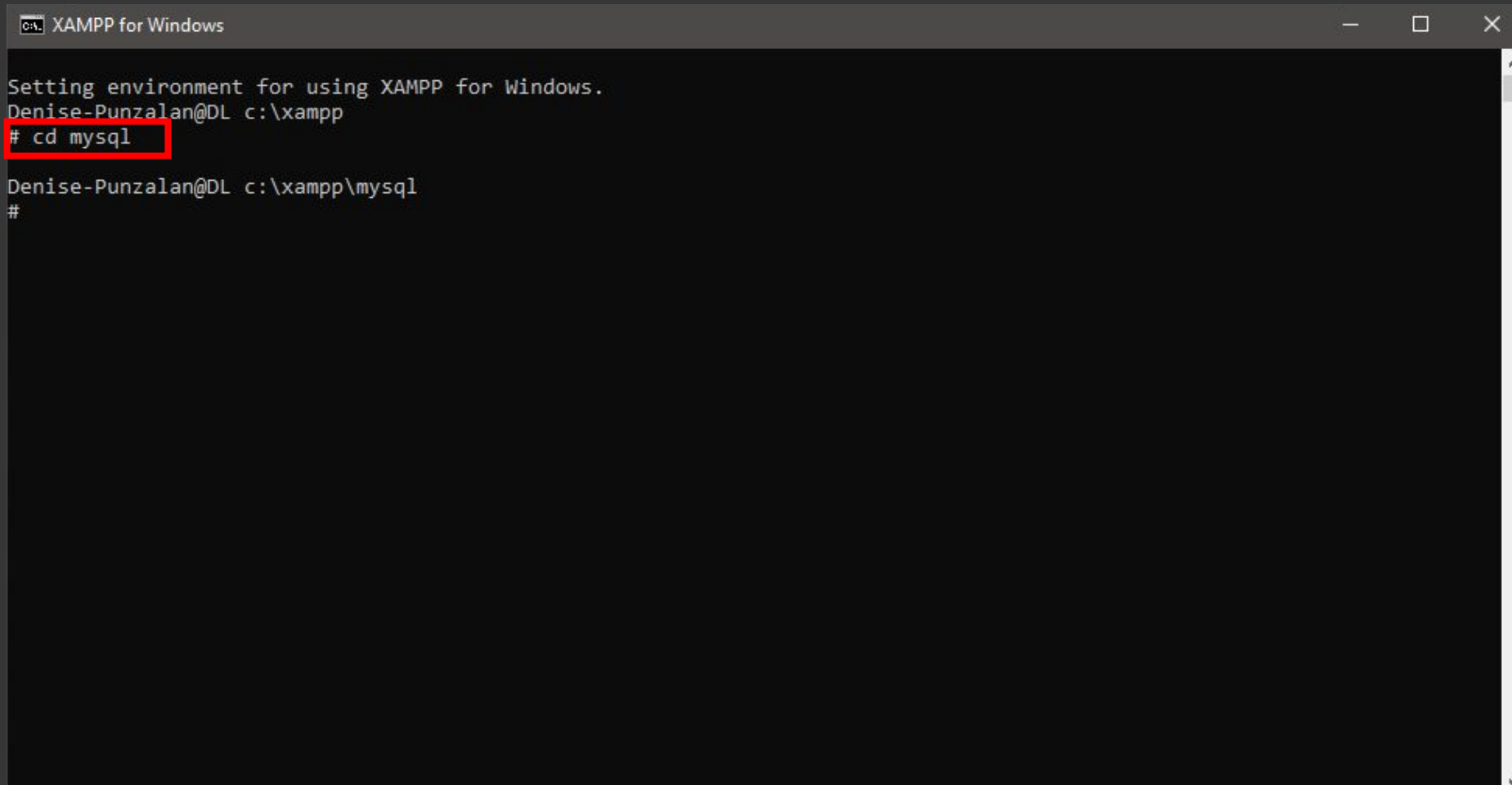
First, click the Apache and MySQL START button



Next, click **SHELL** to start

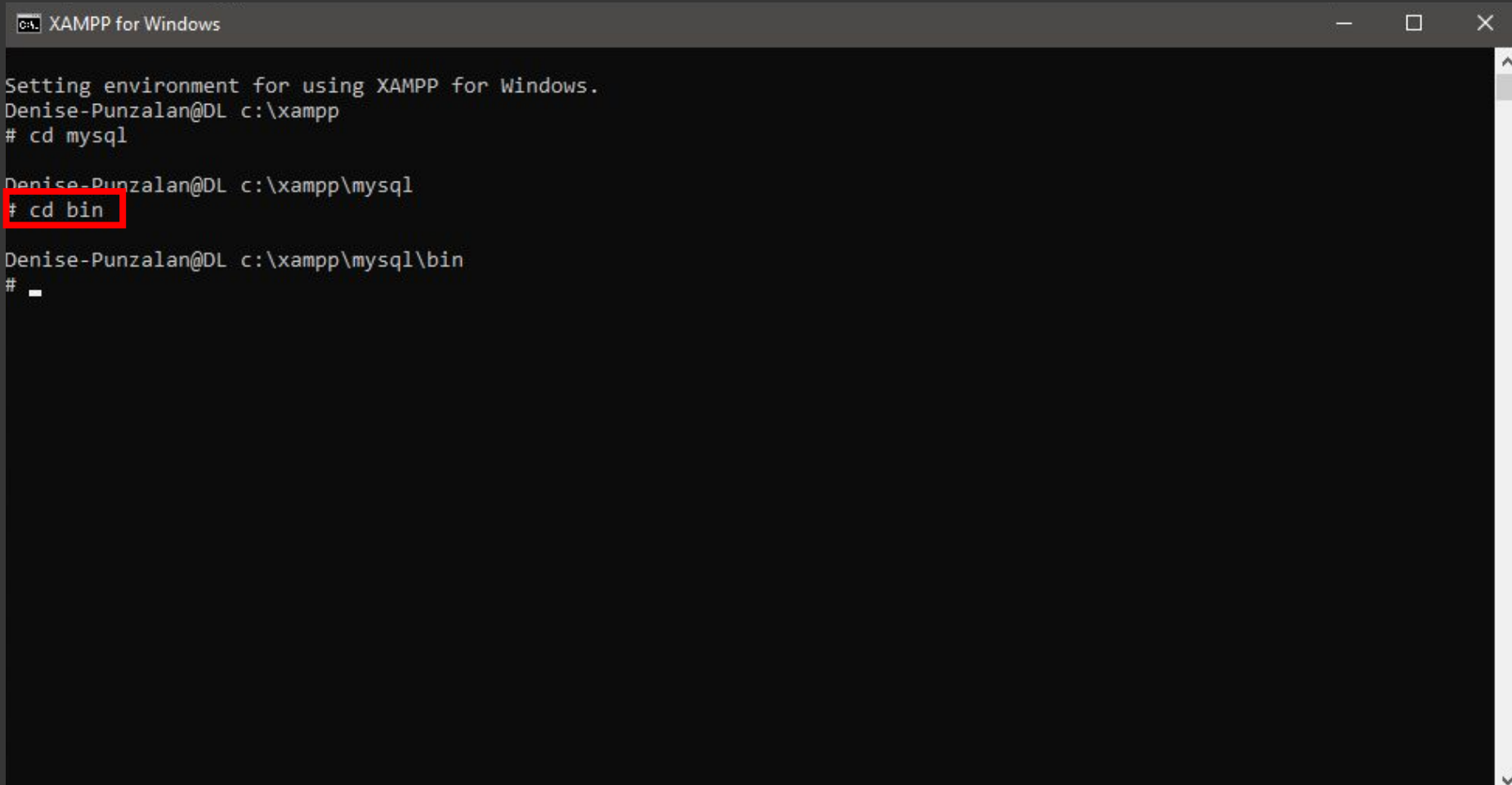


The SHELL will be displayed.
Next, type “*cd mysql*” to change the directory.



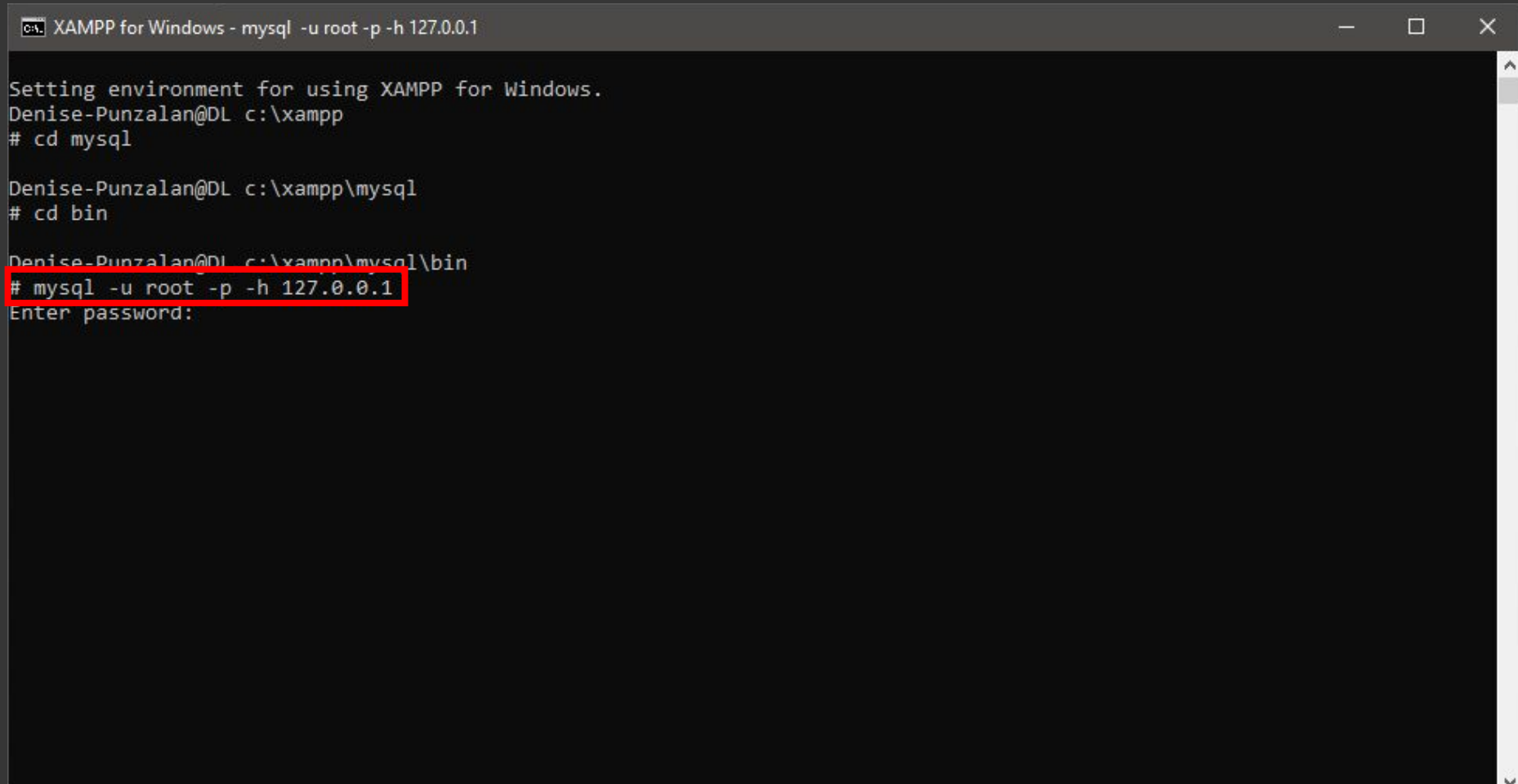
```
XAMPP for Windows
Setting environment for using XAMPP for Windows.
Denise-Punzalan@DL c:\xampp
# cd mysql
Denise-Punzalan@DL c:\xampp\mysql
#
```

The directory is now on Mysql.
Type “*cd bin*” to change the directory to bin.



```
Setting environment for using XAMPP for Windows.  
Denise-Punzalan@DL c:\xampp  
# cd mysql  
  
Denise-Punzalan@DL c:\xampp\mysql  
# cd bin  
  
Denise-Punzalan@DL c:\xampp\mysql\bin  
#
```

To enter localhost, enter
mysql -u root -p -h 127.0.0.1



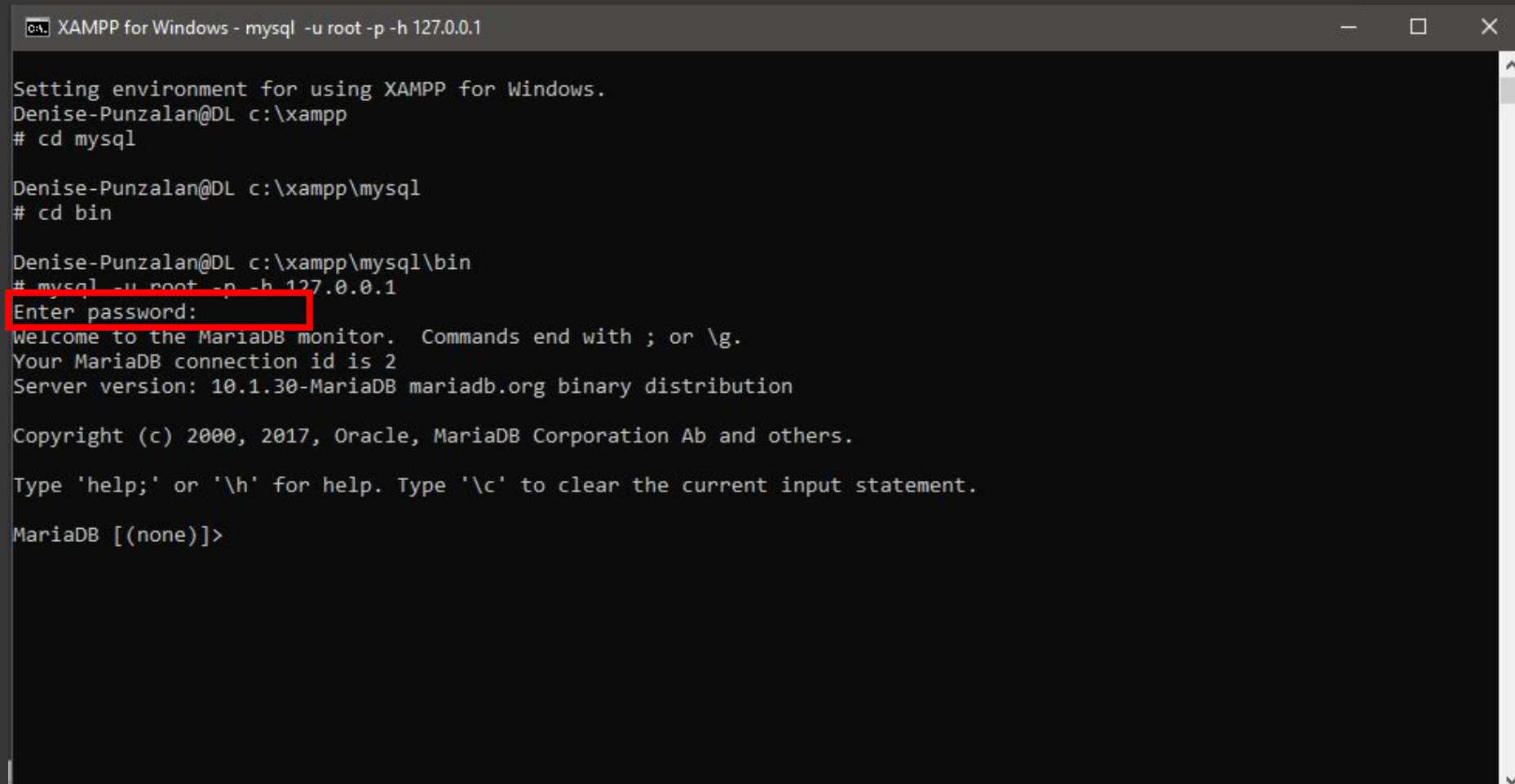
```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1

Setting environment for using XAMPP for Windows.
Denise-Punzalan@DL c:\xampp
# cd mysql

Denise-Punzalan@DL c:\xampp\mysql
# cd bin

Denise-Punzalan@DL c:\xampp\mysql\bin
# mysql -u root -p -h 127.0.0.1
Enter password:
```

When you enter localhost, it will ask for a password. But you don't need to type anything, just press **ENTER** and it will welcome you to MariaDB



```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1

Setting environment for using XAMPP for Windows.
Denise-Punzalan@DL c:\xampp
# cd mysql

Denise-Punzalan@DL c:\xampp\mysql
# cd bin

Denise-Punzalan@DL c:\xampp\mysql\bin
# mysql -u root -p -h 127.0.0.1
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 10.1.30-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

Creating database named “*studentrecord*”

```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1

Setting environment for using XAMPP for Windows.
Denise-Punzalan@DL c:\xampp
# cd mysql

Denise-Punzalan@DL c:\xampp\mysql
# cd bin

Denise-Punzalan@DL c:\xampp\mysql\bin
# mysql -u root -p -h 127.0.0.1
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 10.1.30-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE studentrecord;
Query OK, 1 row affected (0.04 sec)

MariaDB [(none)]> _
```


SHOW DATABASES;

Allows you to show all the database that you have.

```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1

MariaDB [(none)]> CREATE DATABASE studentrecord;
Query OK, 1 row affected (0.04 sec)

MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| csv_db   |
| db_capstone |
| db_ecomplaint |
| db_nba   |
| db_pos   |
| db_studentportal |
| dbemployees |
| information_schema |
| mysql    |
| performance_schema |
| phpmyadmin |
| pos_conveniencestore |
| studentrecord |
| test     |
+-----+
14 rows in set (0.00 sec)

MariaDB [(none)]> _
```

As you can see, the database that we've created is shown

USE *studentrecord*;

This command allows you to use the database *studentrecord*

```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1
+-----+
| db_capstone      |
| db_ecomplaint    |
| db_nba           |
| db_pos           |
| db_studentportal |
| dbemployees      |
| information_schema |
| mysql            |
| performance_schema |
| phpmyadmin       |
| pos_conveniencestore |
| studentrecord    |
| test             |
+-----+
14 rows in set (0.00 sec)

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

Creating table named “*studentinfo*”

```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1

db_capstone
db_ecomplaint
db_nba
db_pos
db_studentportal
dbemployees
information_schema
mysql
performance_schema
phpmyadmin
pos_conveniencestore
studentrecord
test
+-----+
14 rows in set (0.00 sec)

MariaDB [(none)]> USE studentrecord;
Database changed
MariaDB [studentrecord]> CREATE TABLE studentinfo(stud_no int(11) NOT NULL AUTO_INCREMENT, stud_firstname varchar(25) NOT NULL, stud_lastname varchar(25) NOT NULL, stud_course varchar(15) NOT NULL, stud_block varchar(10) NOT NULL, PRIMARY KEY (stud_no))ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1;
Query OK, 0 rows affected (1.15 sec)

MariaDB [studentrecord]>
```

SHOW TABLES;

Allows you to show the tables that you've created in your database.

```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1
| pos_conveniencestore |
| studentrecord         |
| test                  |
+-----+
14 rows in set (0.00 sec)

MariaDB [(none)]> USE studentrecord;
Database changed
MariaDB [studentrecord]> CREATE TABLE studentinfo(stud_no int(11) NOT NULL AUTO_INCREMENT, stud_firstname varchar(25) NOT NULL, stud_lastname varchar(25) NOT NULL, stud_course varchar(15) NOT NULL, stud_block varchar(10) NOT NULL, PRIMARY KEY (stud_no))ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1;
Query OK, 0 rows affected (1.15 sec)

MariaDB [studentrecord]: SHOW TABLES;
+-----+
| Tables_in_studentrecord |
+-----+
| studentinfo              |
+-----+
1 row in set (0.00 sec)

MariaDB [studentrecord]> _
```

The table that we created is here.

DESCRIBE studentinfo;

Allows you to view/describe the table that you created.

```

C:\xampp\mysql> mysql -u root -p -h 127.0.0.1
, stud_lastname varchar(25) NOT NULL, stud_course varchar(15) NOT NULL, stud_block varchar(10) NOT NULL, PRIMARY KEY (stud_no)
)ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1;
Query OK, 0 rows affected (1.15 sec)

MariaDB [studentrecord]> SHOW TABLES;
+-----+
| Tables_in_studentrecord |
+-----+
| studentinfo              |
+-----+
1 row in set (0.00 sec)

MariaDB [studentrecord]> DESCRIBE studentinfo;
+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+
| stud_no        | int(11)       | NO   | PRI | NULL    | auto_increment |
| stud_firstname | varchar(25)   | NO   |     | NULL    |                |
| stud_lastname  | varchar(25)   | NO   |     | NULL    |                |
| stud_course    | varchar(15)   | NO   |     | NULL    |                |
| stud_block     | varchar(10)   | NO   |     | NULL    |                |
+-----+
5 rows in set (0.06 sec)

MariaDB [studentrecord]> _

```

Inserting records to our table “studentinfo”

```
C:\> XAMPP for Windows - mysql -u root -p -h 127.0.0.1
```

```
| studentinfo |
+-----+
1 row in set (0.00 sec)
```

```
MariaDB [studentrecord]> DESCRIBE studentinfo;
```

Field	Type	Null	Key	Default	Extra
stud_no	int(11)	NO	PRI	NULL	auto_increment
stud_firstname	varchar(25)	NO		NULL	
stud_lastname	varchar(25)	NO		NULL	
stud_course	varchar(15)	NO		NULL	
stud_block	varchar(10)	NO		NULL	

```
+-----+
5 rows in set (0.02 sec)
```

```
MariaDB [studentrecord]> INSERT INTO studentinfo(stud_firstname, stud_lastname, stud_course, stud_block)VALUES('Denise Lou', 'Punzalan', 'BSIT', 'A'), ('Kenneth', 'Bautista', 'BSCS', 'A'), ('Reynaldo', 'Bautista', 'BSEMC', 'B'), ('Juan', 'Dela Cruz', 'ACT', 'B'), ('Jane', 'Doe', 'ACT', 'C');
Query OK, 5 rows affected (0.08 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
MariaDB [studentrecord]> _
```


Selecting all records in table “studentinfo”

```
C:\XAMPP for Windows - mysql -u root -p -h 127.0.0.1
+-----+
| stud_course | varchar(15) | NO | NULL |
| stud_block  | varchar(10) | NO | NULL |
+-----+
5 rows in set (0.02 sec)

MariaDB [studentrecord]> INSERT INTO studentinfo(stud_firstname, stud_lastname, stud_course, stud_block)VALUES('Denise Lou', 'Punzalan', 'BSIT', 'A'), ('Kenneth', 'Bautista', 'BSCS', 'A'), ('Reynaldo', 'Bautista', 'BSEMC', 'B'), ('Juan', 'Dela Cruz', 'ACT', 'B'), ('Jane', 'Doe', 'ACT', 'C');
Query OK, 5 rows affected (0.08 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [studentrecord]> SELECT * FROM studentinfo;
```

stud_no	stud_firstname	stud_lastname	stud_course	stud_block
1	Denise Lou	Punzalan	BSIT	A
2	Kenneth	Bautista	BSCS	A
3	Reynaldo	Bautista	BSEMC	B
4	Juan	Dela Cruz	ACT	B
5	Jane	Doe	ACT	C

```
5 rows in set (0.00 sec)

MariaDB [studentrecord]>
```

← RESULT/OUTPUT

Query displaying all students where block is "A"

```
XAMPP for Windows - mysql -u root -p -h 127.0.0.1

MariaDB [studentrecord]> SELECT * FROM studentinfo;
+-----+-----+-----+-----+-----+
| stud_no | stud_firstname | stud_lastname | stud_course | stud_block |
+-----+-----+-----+-----+-----+
| 1 | Denise Lou | Punzalan | BSIT | A |
| 2 | Kenneth | Bautista | BSCS | A |
| 3 | Reynaldo | Bautista | BSEMC | B |
| 4 | Juan | Dela Cruz | ACT | B |
| 5 | Jane | Doe | ACT | C |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [studentrecord]> SELECT * FROM studentinfo WHERE stud_block = 'A';
+-----+-----+-----+-----+-----+
| stud_no | stud_firstname | stud_lastname | stud_course | stud_block |
+-----+-----+-----+-----+-----+
| 1 | Denise Lou | Punzalan | BSIT | A |
| 2 | Kenneth | Bautista | BSCS | A |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

MariaDB [studentrecord]> _
```

← RESULT/OUTPUT

Deleting student record where ID is “5”

```
C:\XAMPP for Windows - mysql -u root -p -h 127.0.0.1
MariaDB [studentrecord]> DELETE FROM studentinfo WHERE stud_no = 5;
Query OK, 1 row affected (0.00 sec)

MariaDB [studentrecord]> SELECT * FROM studentinfo;
```

stud_no	stud_firstname	stud_lastname	stud_course	stud_block
1	Denise Lou	Punzalan	BSIT	A
2	Kenneth	Bautista	BSCS	A
3	Reynaldo	Bautista	BSEMC	B
4	Juan	Dela Cruz	ACT	B

```
4 rows in set (0.00 sec)

MariaDB [studentrecord]>
```

RESULT/OUTPUT

Note: Apply case sensitivity when using SQL Commands. Use proper capitalization. Every comma, single quote and semicolon is important. If you forgot any of them, it won't work.