

1. Create Database

XAMPP for Windows - mysql -u root -p

MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| blog |
| college |
| demo |
| employee |
| icc |
| information_schema |
| library |
| loginapp |
| my_php_projects |
| mysql |
| performance_schema |
| phpmyadmin |
| practice07 |
| shop |
| test |
+-----+
15 rows in set (0.001 sec)

MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| blog |
| college |
| demo |
| employee |
| icc |
| information_schema |
| library |
| loginapp |
| **mall** |
| my_php_projects |
| mysql |
| performance_schema |
| phpmyadmin |
| practice07 |
| shop |
| test |
+-----+
16 rows in set (0.002 sec)

IDLE Shell 3.12.0*

File Edit Shell Debug Options Window Help
>>>> No database is selected! <<<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 1

Enter database name: mall
>>> mall database created! <<<

>>>> No database is selected! <<<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Ln: 50 Col: 19

2. Show Databases

XAMPP for Windows - mysql -u root -p

MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| blog |
| college |
| demo |
| employee |
| icc |
| information_schema |
| library |
| loginapp |
| mall |
| my_php_projects |
| mysql |
| performance_schema |
| phpmyadmin |
| practice07 |
| shop |
| test |
+-----+
16 rows in set (0.002 sec)

MariaDB [(none)]>

IDLE Shell 3.12.0*

File Edit Shell Debug Options Window Help
>>>> No database is selected! <<<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 2

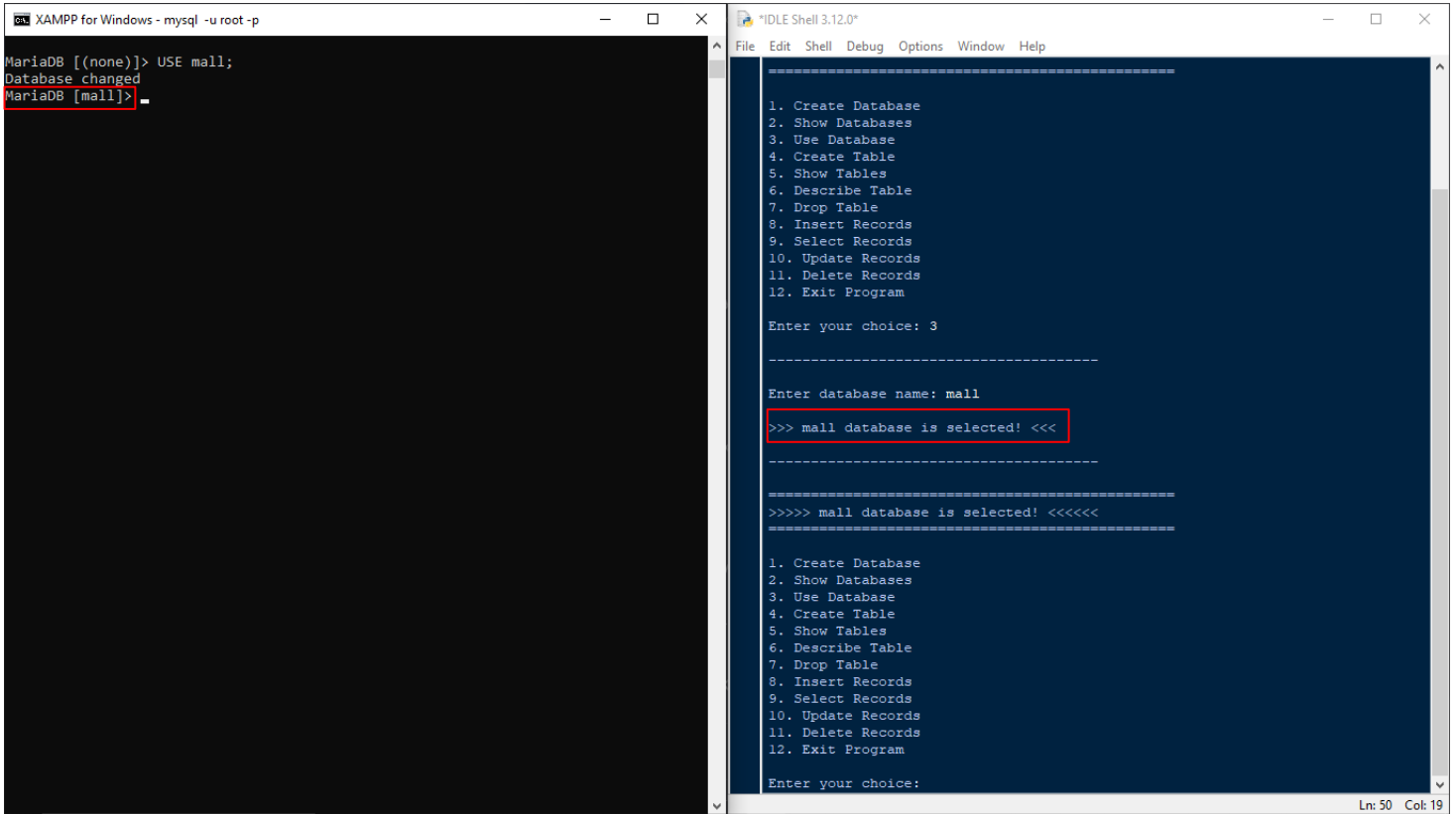
>>> 16 Databases <<<

blog
college
demo
employee
icc
information_schema
library
loginapp
mall
my_php_projects
mysql
performance_schema
phpmyadmin
practice07
shop
test

=====

Ln: 65 Col: 19

3. Select Database (Use Database)



The screenshot shows two windows. The left window is the XAMPP MySQL command line interface. The right window is the IDLE Shell 3.12.0, which displays a menu of database operations and the results of selecting the 'mall' database.

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

```
1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 3

-----

Enter database name: mall
>>> mall database is selected! <<<

-----

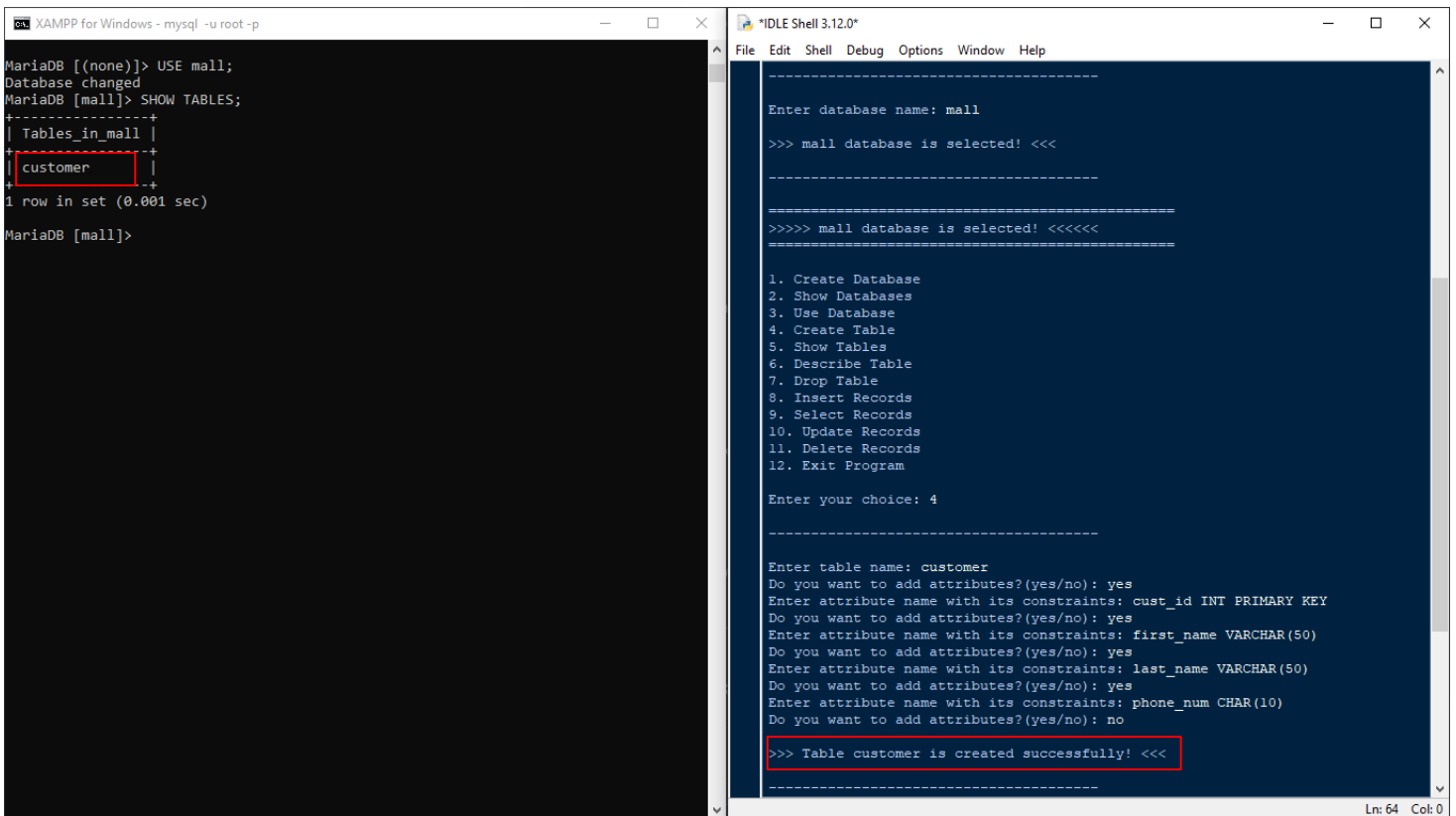
>>>> mall database is selected! <<<<<
-----

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice:
```

Ln: 50 Col: 19

4. Create Table



The screenshot shows two windows. The left window is the XAMPP MySQL command line interface. The right window is the IDLE Shell 3.12.0, which displays the results of creating the 'customer' table.

```
MariaDB [(none)]> USE mall;
Database changed
MariaDB [mall]> SHOW TABLES;
+-----+
| Tables_in_mall |
+-----+
| customer        |
+-----+
1 row in set (0.001 sec)

MariaDB [mall]>
```

```
Enter database name: mall
>>> mall database is selected! <<<

-----

>>>> mall database is selected! <<<<<
-----

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 4

-----

Enter table name: customer
Do you want to add attributes?(yes/no): yes
Enter attribute name with its constraints: cust_id INT PRIMARY KEY
Do you want to add attributes?(yes/no): yes
Enter attribute name with its constraints: first_name VARCHAR(50)
Do you want to add attributes?(yes/no): yes
Enter attribute name with its constraints: last_name VARCHAR(50)
Do you want to add attributes?(yes/no): yes
Enter attribute name with its constraints: phone_num CHAR(10)
Do you want to add attributes?(yes/no): no

>>> Table customer is created successfully! <<<

-----
```

Ln: 64 Col: 0

5. Show Tables

```
XAMPP for Windows - mysql -u root -p
MariaDB [(none)]> USE mall;
Database changed
MariaDB [mall]> SHOW TABLES;
+-----+
| Tables_in_mall |
+-----+
| customer        |
+-----+
1 row in set (0.001 sec)

MariaDB [mall]>
```

```
IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help

-----
Enter database name: mall

>>> mall database is selected! <<<

-----

>>>> mall database is selected! <<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 5

-----

>>> 1 Tables <<<
customer

-----

>>>> mall database is selected! <<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
```

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6. Describe Table

```
XAMPP for Windows - mysql -u root -p
MariaDB [(none)]> USE mall;
Database changed
MariaDB [mall]> SHOW TABLES;
+-----+
| Tables_in_mall |
+-----+
| customer        |
+-----+
1 row in set (0.001 sec)

MariaDB [mall]> DESC customer;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| cust_id    | int(11)   | NO   | PRI | NULL    |       |
| first_name | varchar(50)| YES  |     | NULL    |       |
| last_name  | varchar(50)| YES  |     | NULL    |       |
| phone_num  | char(10)  | YES  |     | NULL    |       |
+-----+
4 rows in set (0.059 sec)

MariaDB [mall]>
```

```
IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help

-----
Enter database name: mall

>>> mall database is selected! <<<

-----

>>>> mall database is selected! <<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 6

-----

Enter table name: customer

>>> Rows <<<

('cust_id', 'int(11)', 'NO', 'PRI', None, '')
('first_name', 'varchar(50)', 'YES', '', None, '')
('last_name', 'varchar(50)', 'YES', '', None, '')
('phone_num', 'char(10)', 'YES', '', None, '')

-----

>>>> mall database is selected! <<<<<
=====
```

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7. Drop Table

```
XAMPP for Windows - mysql -u root -p
MariaDB [mall]> SHOW TABLES;
+-----+
| Tables_in_mall |
+-----+
| customer       |
| store          |
+-----+
2 rows in set (0.001 sec)

MariaDB [mall]> SHOW TABLES;
+-----+
| Tables_in_mall |
+-----+
| customer       |
+-----+
1 row in set (0.002 sec)

MariaDB [mall]>
```

```
IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help

-----
Enter database name: mall

>>> mall database is selected! <<<

-----

>>>> mall database is selected! <<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 7

-----

Enter table name: store

>>> Table deleted successfully! <<<

-----

>>>> mall database is selected! <<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
```

Ln: 77 Col: 19

8. Insert Records

```
XAMPP for Windows - mysql -u root -p
MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
| 100     | Prashant   | Thakur    | 9998887776 |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [mall]>
```

```
IDLE Shell 3.12.0*
File Edit Shell Debug Options Window Help

12. Exit Program

Enter your choice: 3

-----

Enter database name: mall

>>> mall database is selected! <<<

-----

>>>> mall database is selected! <<<<<
=====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 8

-----

Enter table name: customer
cust_id = 100
first_name = Prashant
last_name = Thakur
phone_num = 9998887776

>>> Record populated successfully! <<<

-----
```

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9. Select Records (Show Records)

XAMPP for Windows - mysql -u root -p

MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
100	Prashant	Thakur	9998887776
101	Rohit	Saxena	8887776665
102	Prachi	Mehta	7776665554
103	Abhishek	Dubey	6665554443
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [mall]>

IDLE Shell 3.12.0*

File Edit Shell Debug Options Window Help
===== >>>> mall database is selected! <<<<<< =====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 9

Enter table name: customer

(100, 'Prashant', 'Thakur', '9998887776')
(101, 'Rohit', 'Saxena', '8887776665')
(102, 'Prachi', 'Mehta', '7776665554')
(103, 'Abhishek', 'Dubey', '6665554443')

===== >>>> mall database is selected! <<<<<< =====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table

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10. Update Records

XAMPP for Windows - mysql -u root -p

MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
100	Prashant	Thakur	9998887776
101	Rohit	Saxena	8887776665
102	Prachi	Mehta	7776665554
103	Abhishek	Dubey	6665554443
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
100	Prashant	Thakur	9998887776
101	Rohit	Saxena	8887776665
102	Prachi	Mehta	7776665554
103	**Pranjal**	Dubey	6665554443
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [mall]> _

IDLE Shell 3.12.0*

File Edit Shell Debug Options Window Help
===== >>>> mall database is selected! <<<<<< =====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 10

Enter table name: customer
Enter column name: first name
Enter column value: Pranjal
Enter the value of cust_id where you want to update first_name: 103

>>> Record updated successfully! <<<

===== >>>> mall database is selected! <<<<<< =====

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records

Ln: 234 Col: 19

11. Delete Records

The screenshot shows two windows side-by-side. The left window is the XAMPP MySQL command line interface, and the right window is the IDLE Shell 3.12.0.

XAMPP MySQL Command Line:

```
MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
| 100     | Prashant   | Thakur    | 9998887776 |
| 101     | Rohit      | Saxena    | 8887776665 |
| 102     | Prachi     | Mehta     | 7776665554 |
| 103     | Abhishek   | Dubey     | 6665554443 |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
| 100     | Prashant   | Thakur    | 9998887776 |
| 101     | Rohit      | Saxena    | 8887776665 |
| 102     | Prachi     | Mehta     | 7776665554 |
| 103     | Pranjal    | Dubey     | 6665554443 |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [mall]> SELECT * FROM customer;
+-----+-----+-----+-----+
| cust_id | first_name | last_name | phone_num |
+-----+-----+-----+-----+
| 100     | Prashant   | Thakur    | 9998887776 |
| 101     | Rohit      | Saxena    | 8887776665 |
| 102     | Prachi     | Mehta     | 7776665554 |
+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [mall]> _
```

IDLE Shell 3.12.0:

```
>>>> mall database is selected! <<<<<

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
12. Exit Program

Enter your choice: 11

-----
Enter table name: customer
cust_id = 103

>>> Record deleted successfully! <<<

-----
>>>> mall database is selected! <<<<<

1. Create Database
2. Show Databases
3. Use Database
4. Create Table
5. Show Tables
6. Describe Table
7. Drop Table
8. Insert Records
9. Select Records
10. Update Records
11. Delete Records
```

Ln: 262 Col: 19