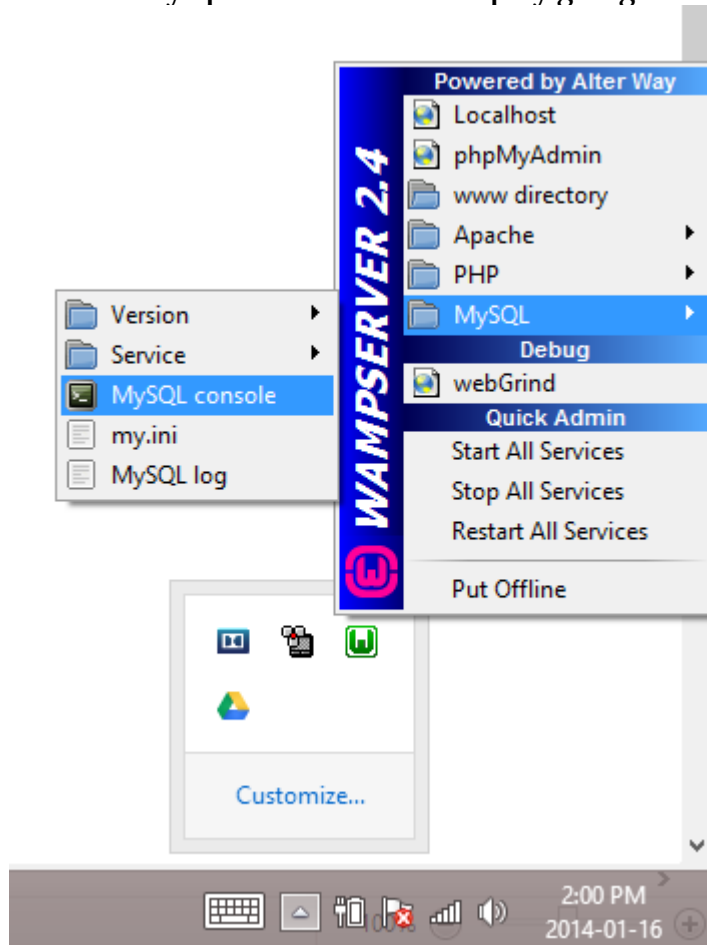


# MySQL PHP tutorial

Start the mysql console from wamp by going to the icon in task bar (near the clock):



Press Enter when prompted for password

To set password for root if you were not prompted when installation, type the following commands:

```
mysql> UPDATE mysql.user SET Password=PASSWORD('MyNewPass') WHERE User='root';  
mysql> FLUSH PRIVILEGES;
```

The FLUSH statement tells the server to reload the grant tables into memory so that it notices the password change. Execute the following commands:

```
//Lists the databases  
mysql> SHOW DATABASES;
```

```
//Create database  
mysql> CREATE DATABASE mydb;  
Query OK, 1 row affected (0.02 sec)
```

```
mysql> SHOW DATABASES;
```

NOW, WHAT DO YOU SEE?

You have created a new **mydb** database.

```
mysql> CREATE USER yourusername@localhost IDENTIFIED BY 'yourpassword';  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> USE mydb;
```

Database changed

```
mysql> GRANT ALL ON mydb.* to yourusername@localhost;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> quit;
```

Bye

**We create a new database user. We grant all privileges to this user for all tables of the mydb database.**

## php-mysql

In order to connect to the MySQL database from the PHP language, we must have php5-mysql package installed.

### Creating and populating a table

Next we are going to create a database table and fill it with data.

```
//Create the connection |

$con = mysqli_connect("localhost","root","ayeshaa","mydb") or die("Some error occurred during connection " . mysqli_error($con));

// Create table

$query2 = "CREATE TABLE users (id INT PRIMARY KEY, Name TEXT, Password TEXT)";
$result2 = mysqli_query($con, $query2);

if(!$result2){
    echo "could not create users table <br />";
}
else{
    echo "create users table successful.<br />";
}
```

In the below code example, we insert a row into the table.

```
//Insert values into table

$query3 = "INSERT INTO users VALUES ('1', 'ayeshaa', 'password')";
$result3 = mysqli_query($con, $query3);

if(!$result3){
    echo "could not insert into users table <br />";
}
else{
    echo "insert into users table successful.<br />";
}
```

## Retrieving data

Now, that we have inserted some data into the database, we want to get it back.

```
//Retrieving values from a table

$strSQL = "SELECT * FROM users";

$query = mysqli_query($con, $strSQL);
while($result = mysqli_fetch_array($query))
{
    echo $result['id'] . " " . $result['Name'] . " " . $result['Password'] . " <br /> ";
}

// Close the connection

mysqli_close($con);
```