

INSTALLATION MYSQL

1. How to install ?

- Visit the official MySQL website: MySQL Downloads.
- Download the MySQL Installer appropriate for your Windows version (32-bit or 64-bit).
- **"Choosing a Setup Type"** screen: Choose "Full" setup type. This installs all MySQL products and features. Then click the "Next" button to continue.
- **"Check Requirements"** screen: The installer checks if your pc has the requirements needed. If there is some failing requirements, click on each item to try to resolve them by clicking on the Execute button that will install all requirements automatically. Click "Next".
- **"Installation"** screen: See what products that will be installed. Click "Execute" to download and install the Products. After finishing the installation, click "Next".
- **"Product Configuration"** screen: See what products that will be configured. Click the "MySQL Server 8.0.23" option to configure the MySQL Server. Click the "Next" button. Choose the "Standalone MySQL Server/Classic MySQL Replication" option and click on the "Next" button. In page "Type and Networking" set Config Type to "Development Computer" and "Connectivity" to "TCP/IP" and "Port" to "3006". Then, click the "Next" button.
- **"Authentication Method"** screen: Choose "Use Strong Password Encryption for Authentication". Click "Next".
- **"Accounts and Roles"** screen: Set a password for the root account. Click "Next".

- **"Windows Service"** screen: Here, you configure the Windows Service to start the server. Keep the default setup, then click "Next".
- **"Apply Configuration"** screen: Click the "Execute" button to apply the Server configuration. After finishing, click the "Finish" button.
- **"Product Configuration"** screen: See that the Product Configuration is completed. Keep the default setting and click on the "Next" and "Finish" button to complete the MySQL package installation.
- In the next screen, you can choose to configure the Router. Click on "Next", "Finish" and then click the "Next" button.
- **"Connect To Server"** screen: Type in the root password (from step 6). Click the "Check" button to check if the connection is successful or not. Click on the "Next" button.
- **"Apply Configuration"** screen: Select the options and click the "Execute" button. After finishing, click the "Finish" button.
- **"Installation Complete"** screen: The installation is complete. Click the "Finish" button.

2.How to connect mysql ?

To connect to MySQL, you can use various tools and programming languages. Here are two common methods: using the command-line interface (CLI) and connecting via a programming language, specifically using Python with the mysql-connector library.

- Connecting to MySQL using Command-Line Interface (CLI):

Assuming you've installed MySQL on your system, here are the steps to connect using the command-line interface:

Open a command prompt or terminal window.

Use the following command to connect to MySQL:

```
mysql -u your_username -p
```

- Replace your_username with your MySQL username. After hitting Enter, you will be prompted to enter your MySQL password.
- If the login is successful, you will see the MySQL prompt, and you can start executing SQL commands

Example (MySQLi Object-Oriented)

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";

// Create connection
$conn = new mysqli($servername, $username, $password);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
?>
```