

LAB#2

Introduction to MySQL

What is MySQL?

Developed in the mid-90s., MySQL was one of the first open-source database available in the market.

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Wideness's daughter, and "SQL", the abbreviation for Structured Query Language.

MySQL is an **RDBMS** that allows keeping the data that exists in a Database organized.

This **RDBMS** system is used with the combination of **PHP and Apache Web Server**, on top of a Linux distribution. MySQL uses the SQL language to query the database.

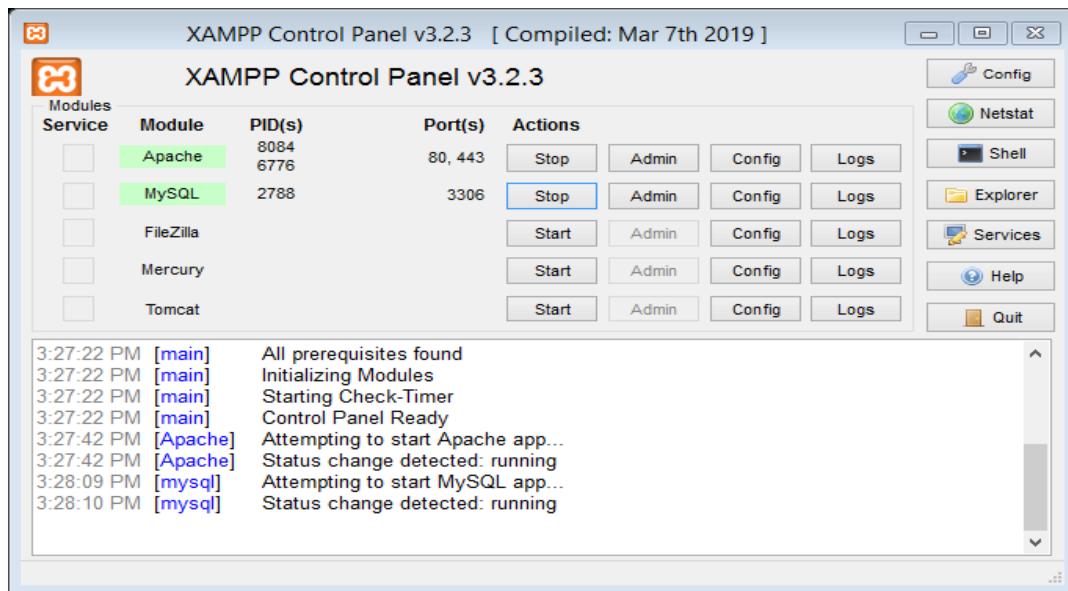
PHP is an acronym **for "PHP: Hypertext Preprocessor"**. **PHP** is a widely-used, open source scripting language. **PHP** scripts are executed on the server. **Apache** is the most widely **used** web server software.

Developed and maintained by **Apache** Software Foundation,

Its job is to establish a connection between a **server** and the **browsers of** website visitors (Firefox, Google Chrome, Safari, etc.) while delivering files back and forth between them (client-server **structure**). **Apache** is a cross-platform software, therefore it works on both UNIX and Windows servers.

How can we connect client monitor to MySQL Server.

First Start XAMPP



Open Command Prompt Then Connect To MYSQL Server

```
C:\Windows\system32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\smhassan>cd\
C:\>cd xampp
C:\xampp>cd mysql
C:\xampp\mysql>cd bin
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
ERROR 2003 (HY000): Can't connect to MySQL server on 'localhost' (10061 "Unknown error")

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 10.1.38-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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