**LAB EXERCISES**

**EX.NO:01**

**INSTALLING MYSQL SERVER AND WORKBENCH IN WINDOWS**

**AIM:**

**To install, configure and connect to MYSQL server and MYSQL workbench in Windows.**

**PROCEDURE:**

1. **Download Installer:**

* **Go to the official MySQL website (https://dev.mysql.com/downloads/installer/).**
* **Download the MySQL Installer for Windows (choose the appropriate version).**

1. **Run the Installer:**

* **Double-click the downloaded installer file (mysql-installer-community.exe).**
* **Allow it to run if prompted by Windows security.**

1. **Choose Setup Type:**

* **Select Developer Default (recommended, includes MySQL Server, Workbench, and other tools).**
* **Alternatively, choose Custom if you want specific components.**

1. **Check Requirements:**

* **The installer will check for prerequisites like Visual Studio Redistributable.**
* **If missing, allow the installer to download and install them.**

1. **Begin Installation:**

* **Click Execute to download and install the selected MySQL components.**
* **Wait until installation finishes.**

1. **Configure MySQL Server:**

* **Select Standalone MySQL Server configuration.**
* **Choose Server Configuration Type (usually Development Machine).**

1. **Set Authentication Method:**

* **Choose the recommended option (Use Strong Password Encryption).**
* **Create a root password (remember this for login).**

1. **Create User Accounts:**

* **(Optional) Add additional MySQL user accounts for specific applications.**
* **Assign usernames, passwords, and roles.**

1. **Apply and Complete Configuration:**

* **The installer will apply configurations like service setup.**
* **Ensure MySQL Server is running as a Windows Service.**

**10. Install and Open MySQL Workbench:**

* **After installation, launch MySQL Workbench.**
* **Create a new connection with root username and password.**
* **Test the connection and start managing databases.**

**MYSQL WORKBENCH:**

**One tool we can use to remotely connect to your server is MySQL workbench. MySQL workbench is a free tool we can use to connect to the server databases from our personal computer. While installing MySQL server, MySQL workbench is also installed.**

**After this is installed, follow the steps below to set up the remote connection.**

* 1. **After MySQL Workbench is installed, it should open on your system, as shown in the screen below.**
  2. **To make the connection, double click the box designated by the arrow.**
  3. **Enter the password.**
  4. **After entering the password, you are able to connect with the Server.**
  5. **To make a new connection, click the plus (+) icon or go to the menu bar → Database → Connect to Database.**
  6. **The following screen appears.**
  7. **Now, fill all the details.**
  8. **Give the password.**
  9. **After entering all the details, click Test Connection to test the database connectivity.**
  10. **If the connection is successful, you will get the following screen.**
  11. **Now, click OK →OK.**
  12. **After finishing all the setup, it will open the MySQL Workbench screen where MySQL command can be executed.**

**RESULT:**

**Thus MYSQL server and MYSQL workbench are installed in windows, configured and workbench connected to MYSQL server successfully.**