HOCHSCHULE HEIDELBERG
Intelligence in Learning

SOFTWARE INSTALLATION GUIDE

Software Development Practice

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1. INTRODUCTION

This document is designed for the students who are facing issue wile installing developing tools for requirement for the course. This is an reference document which will be guide for beginners.

1.1 Operating System

- Windows 7

1.2 Download Links

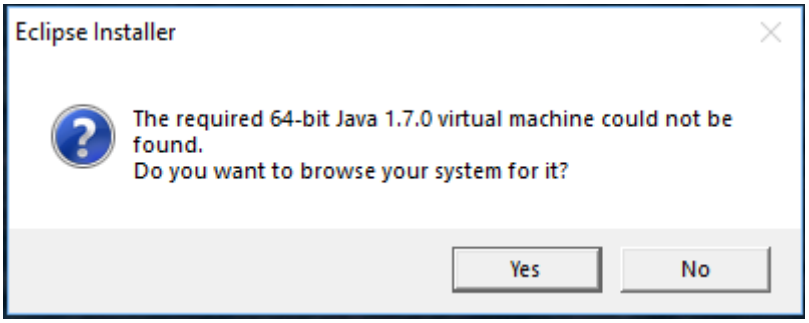
- Eclipse Download – https://www.eclipse.org/downloads/
- MySQL Download - https://dev.mysql.com/downloads/installer/
- GitHub Source Code - https://github.com/SunnyLondhe/SDP

2. Eclipse

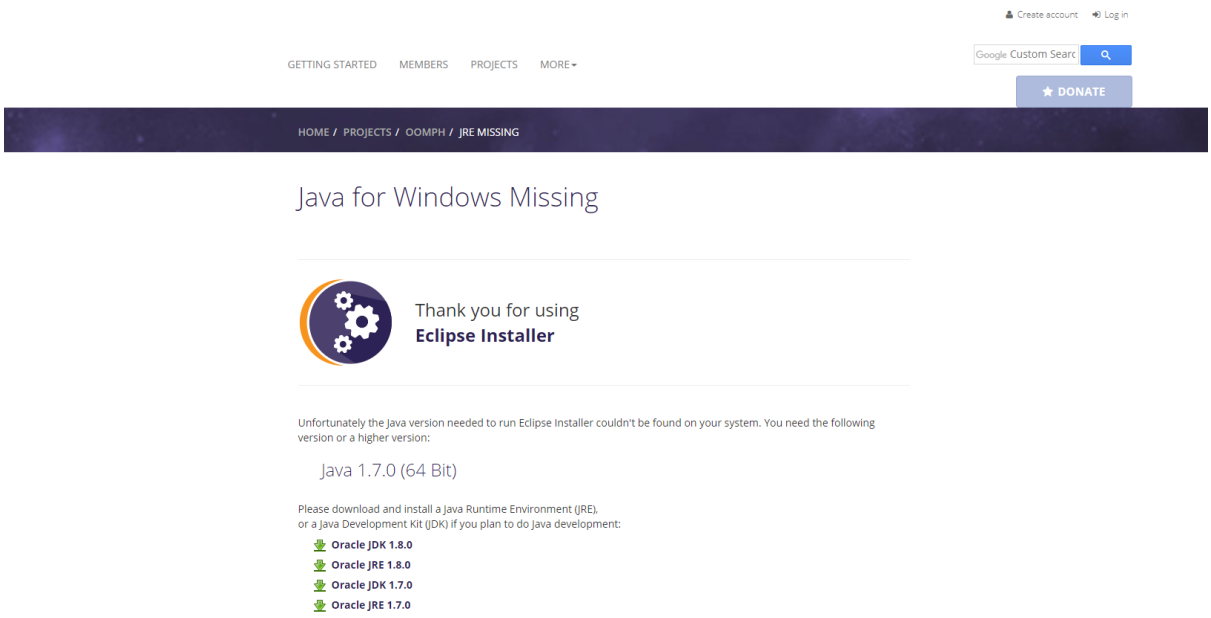
2.1 Installation

You will need to download eclipse from https://www.eclipse.org/downloads/ after download you will find eclipse-inst-win64.exe in your download section (file name might differ when this document is referenced). Let us now start the installation below you will find step by step installation configuration screenshots which will give you an idea what you need to select during installation.

Click on downloaded setup and start installing.



If you get this error you will need to check if there is JVM installed in your machine. You will check in C drive both the folders which are **Program Files (x86)** (C:\Program Files (x86)) and **Program Files** (C:\Program Files) if there is folder in your system with name **JAVA** in any of the path mentioned above then you will need to check if the version installed in your system matches with the version mentioned in the error.
If you click on no as you don't have installation file on local machine (your Laptop/Desktop) setup will open link in browser which is Click Here (Screenshot below)



Install JDK from the link given in the page above.

Java SE Development Kit 8u161

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

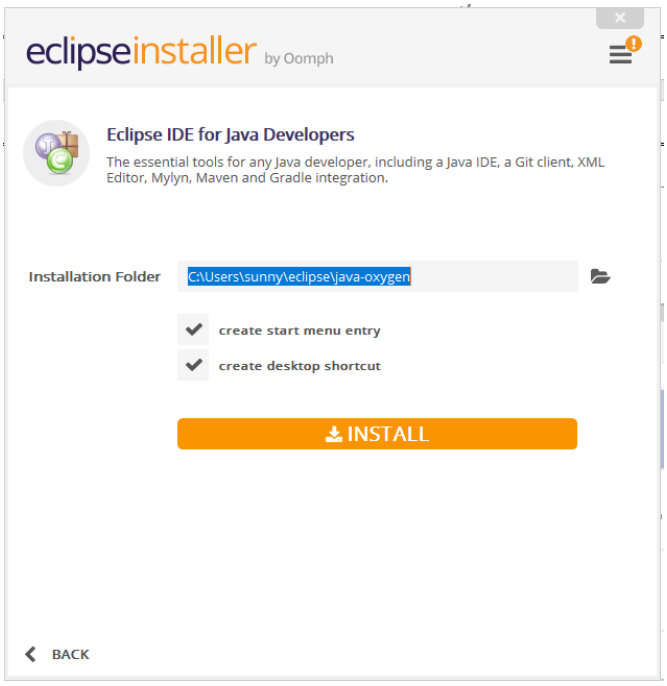
Thank you for accepting the Oracle Binary Code License Agreement for Java SE; you may now download this software.

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.92 MB	jdk-8u161-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.88 MB	jdk-8u161-linux-arm64-vfp-hflt.tar.gz
Linux x86	168.96 MB	jdk-8u161-linux-i586.rpm
Linux x86	183.76 MB	jdk-8u161-linux-i586.tar.gz
Linux x64	166.09 MB	jdk-8u161-linux-x64.rpm
Linux x64	180.97 MB	jdk-8u161-linux-x64.tar.gz
macOS	247.12 MB	jdk-8u161-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.99 MB	jdk-8u161-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.29 MB	jdk-8u161-solaris-sparcv9.tar.gz
Solaris x64	140.57 MB	jdk-8u161-solaris-x64.tar.Z
Solaris x64	97.02 MB	jdk-8u161-solaris-x64.tar.gz
Windows x86	198.54 MB	jdk-8u161-windows-i586.exe
Windows x64	206.51 MB	jdk-8u161-windows-x64.exe

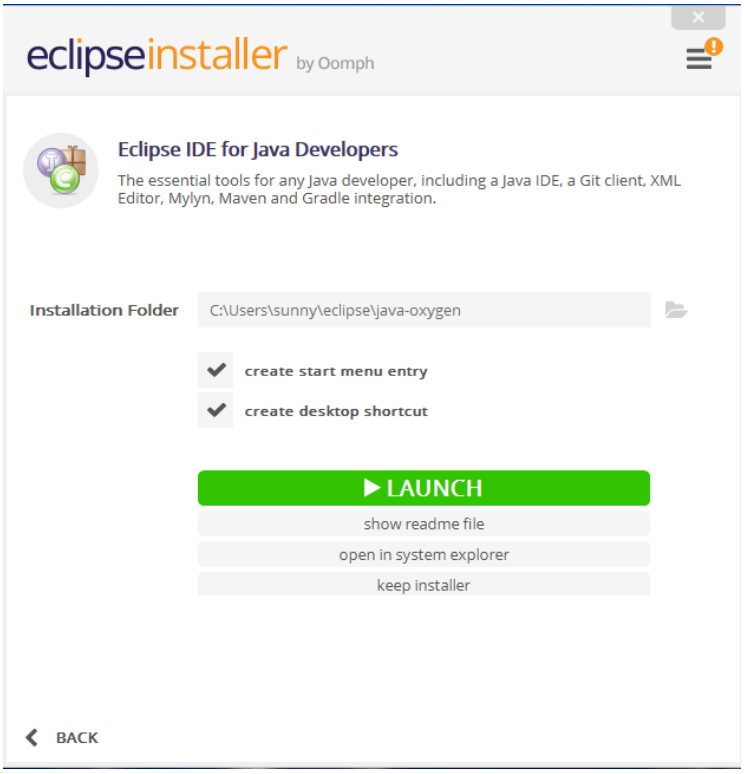
Select your operating system for this example we are using Windows x64 and the file name is jdk-8u161-windows-x64.exe.

After installing Java SE Development kit start the installation of eclipse again. You will see screen similar below.

Select the option which is highlighted in above screen shot.



Click on install and eclipse will install in your system. After successful installation you will get to see as shown below.



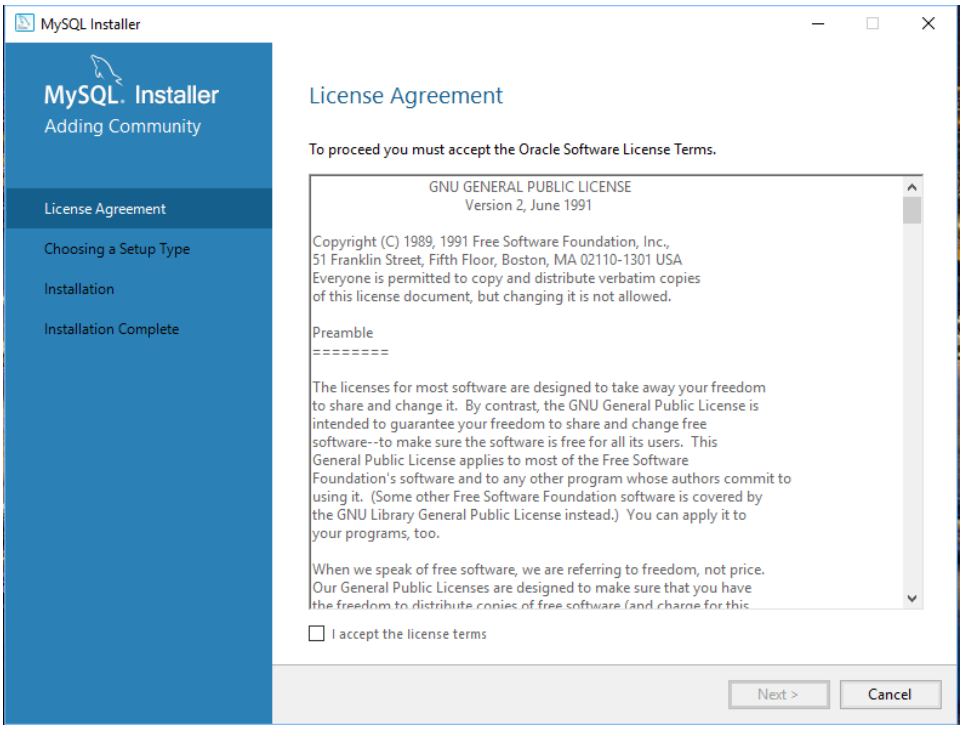
3. MySQL

3.1 Installation

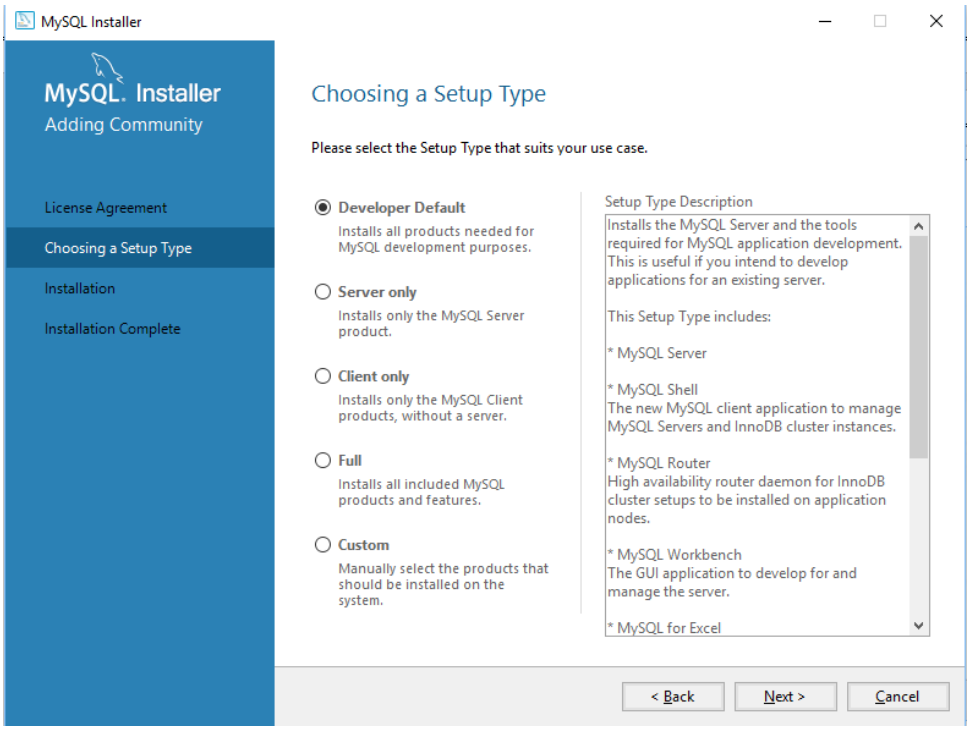
You will need to download eclipse from https://dev.mysql.com/downloads/installer/ after download you will find **mysql-installer-community-5.7.21.0.msi** in your download section.

Let us now start the installation below you will find step by step installation configuration screenshots which will give you an idea what you need to select during installation.

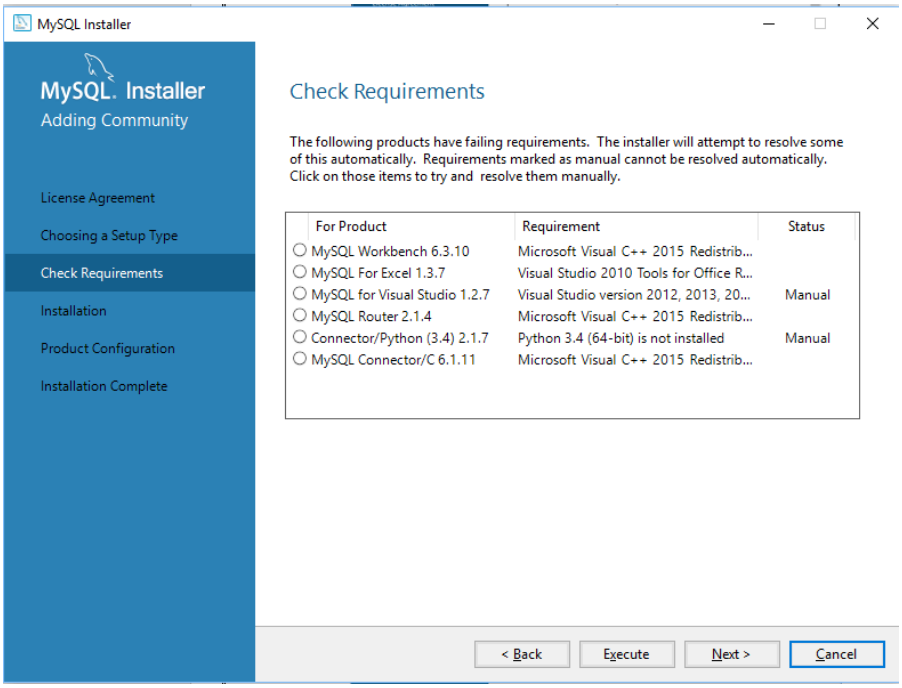
Click on the downloaded setup it should show you initial screen as below.



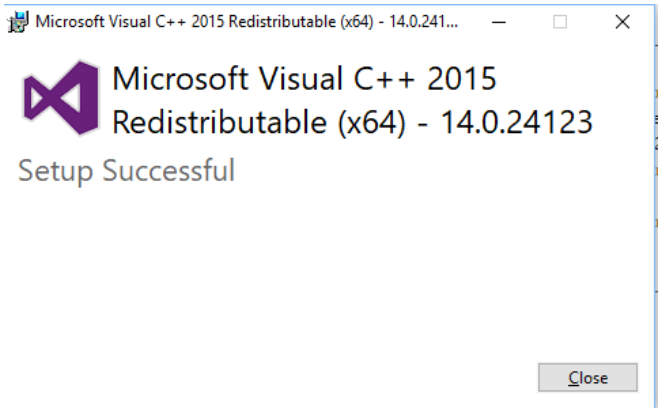
Check on “I accept the license terms” you will then find that next button is enabled when you have done as mentioned you will see the screen below.



Keeping this setting as default we will proceed further by clicking on next. When you click on next you will get check requirements screen which will be prerequisite list below given is the screenshot of the same.



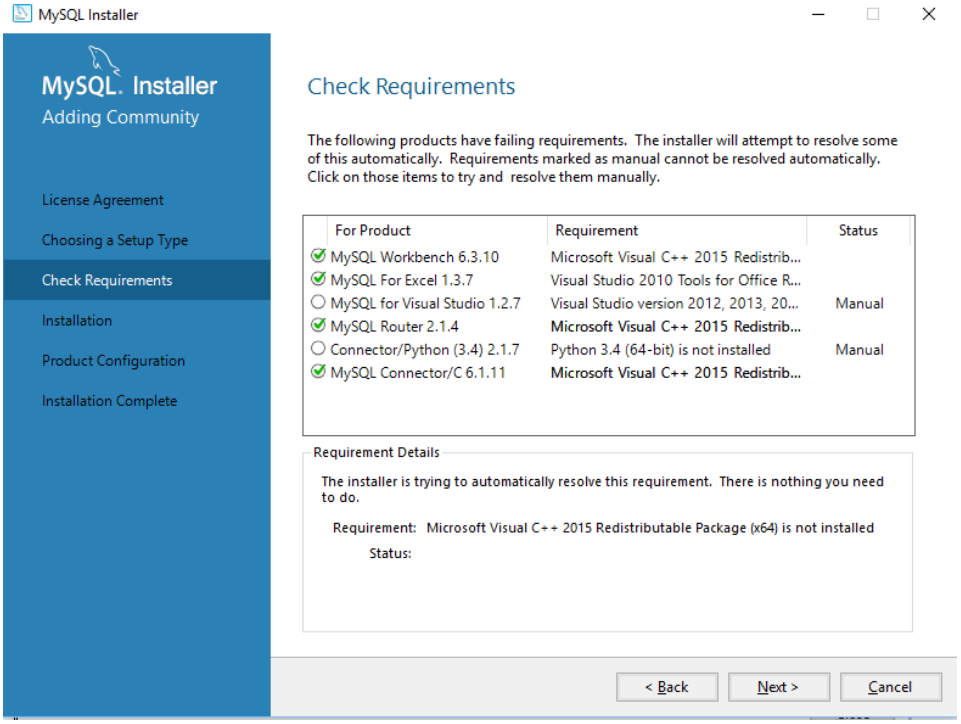
When you click on execute you will get popup with the require software as mentioned in the list. In this example we will see that we need MySQL Workbench and others are not necessary for SAD hence we will skip those which means that we will not install it for now we can install those any time later. So you will get c++ installation popup as screenshot below.



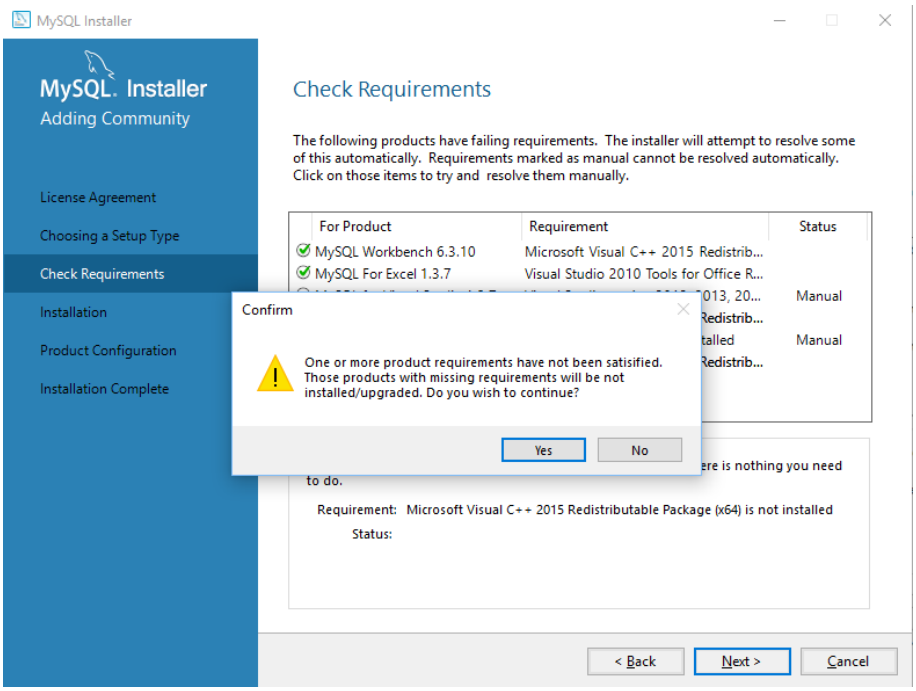
Follow the instructions in the setup and install MSV c++. One by one other installation package will popup for installing you can go ahead and install those as well.

***Note: Do not reinstall or uninstall MSV c++ as it will popup multiple times.*

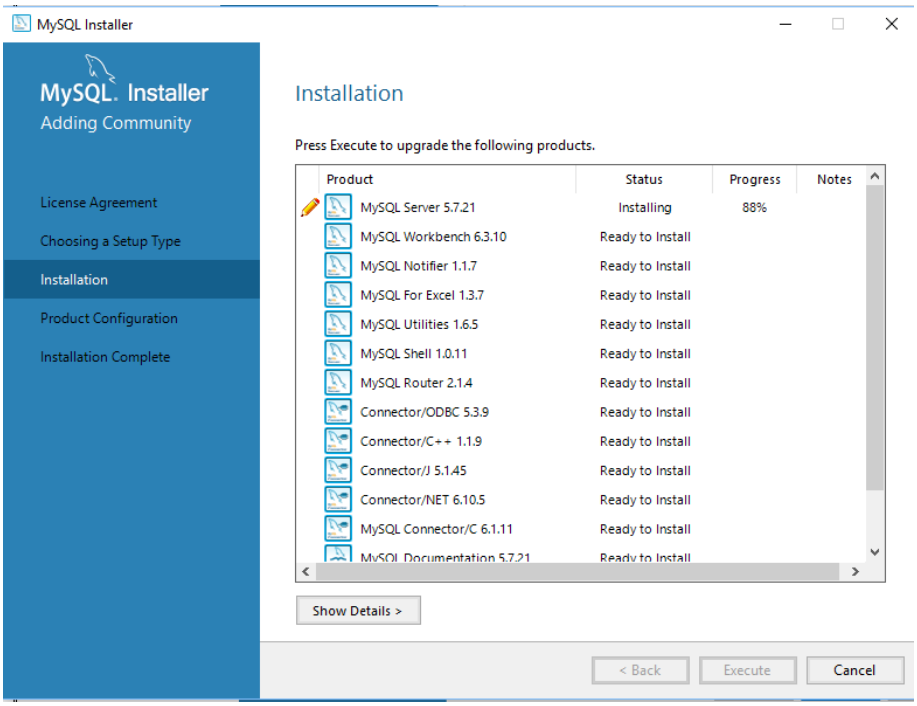
Finally you will get screen as shown below.



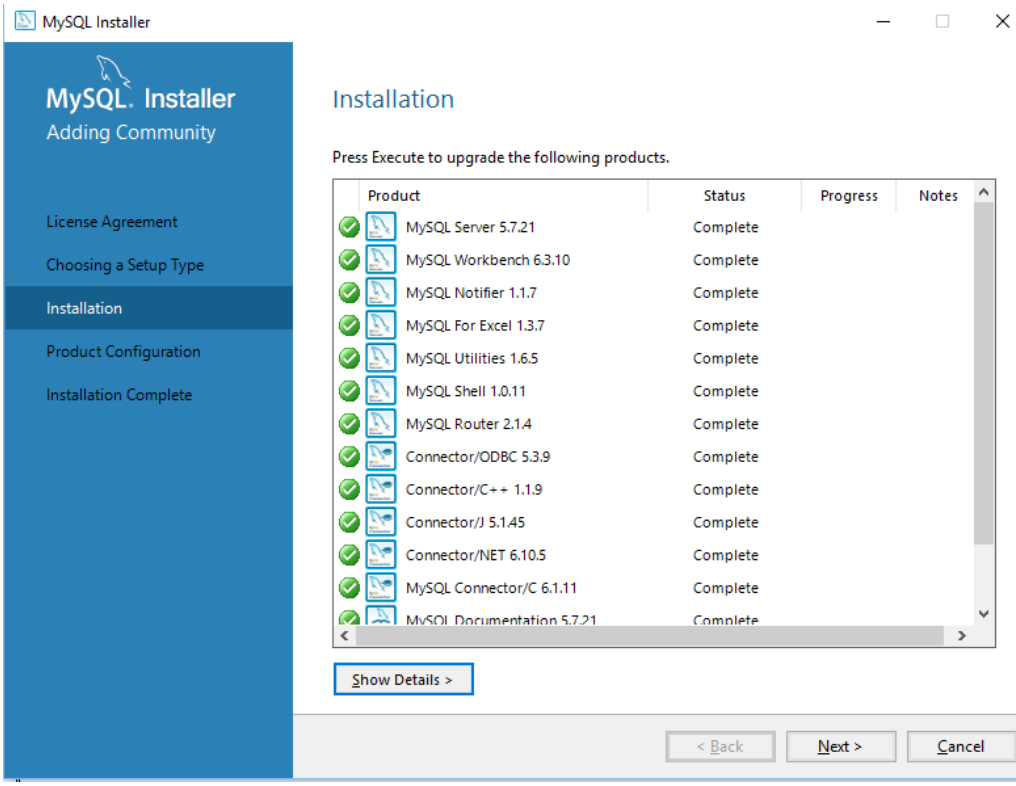
Now proceed by clicking on next.



You might get popup with message box as shown in above screenshot, click on yes and proceed.

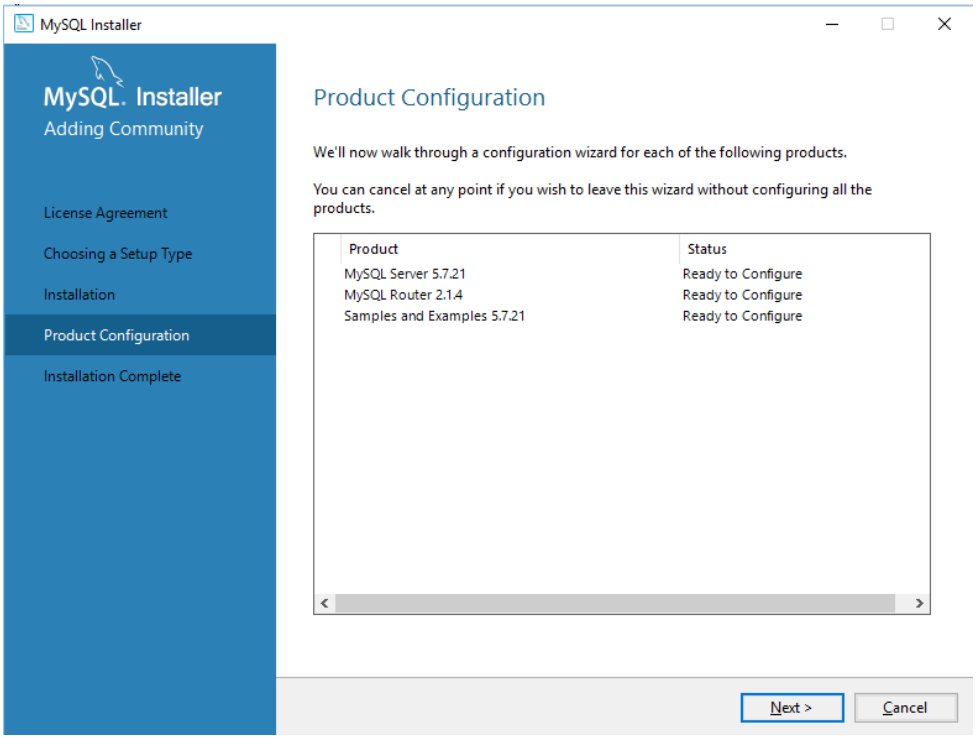


When you click on execute you will see that installation of MySQL will proceed by installing packages one by one.

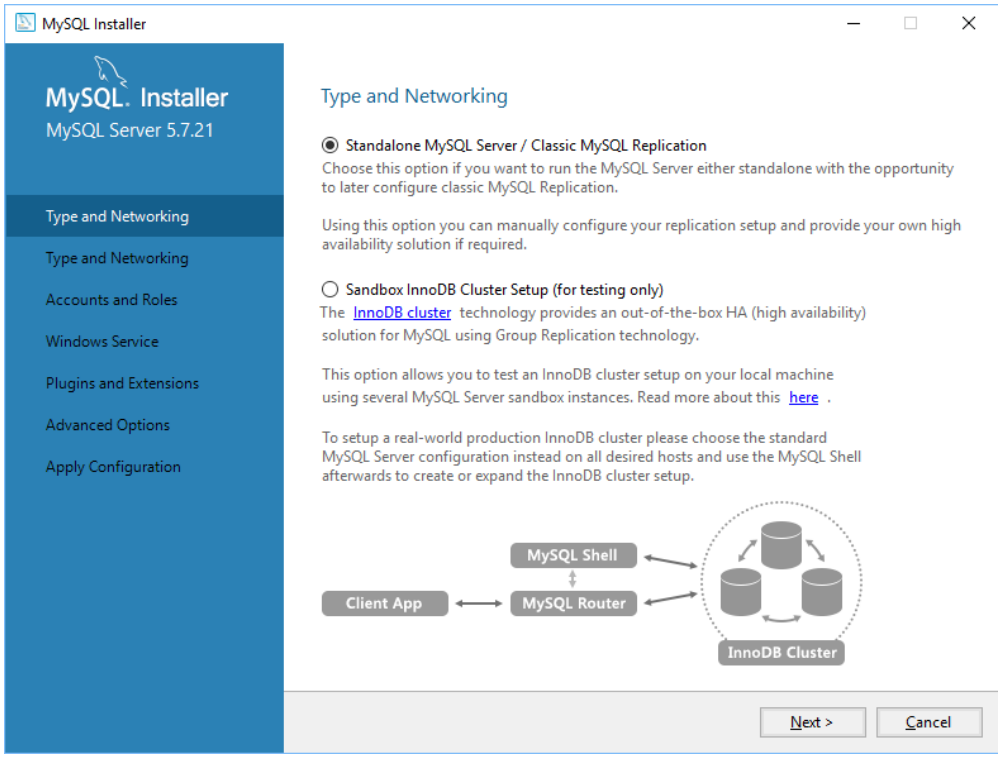


As shown in screenshot above you can see that all the packages are installed with no errors, now you can click on next to proceed further. You will then see configuration page which is explained in section 3.2 in this document.

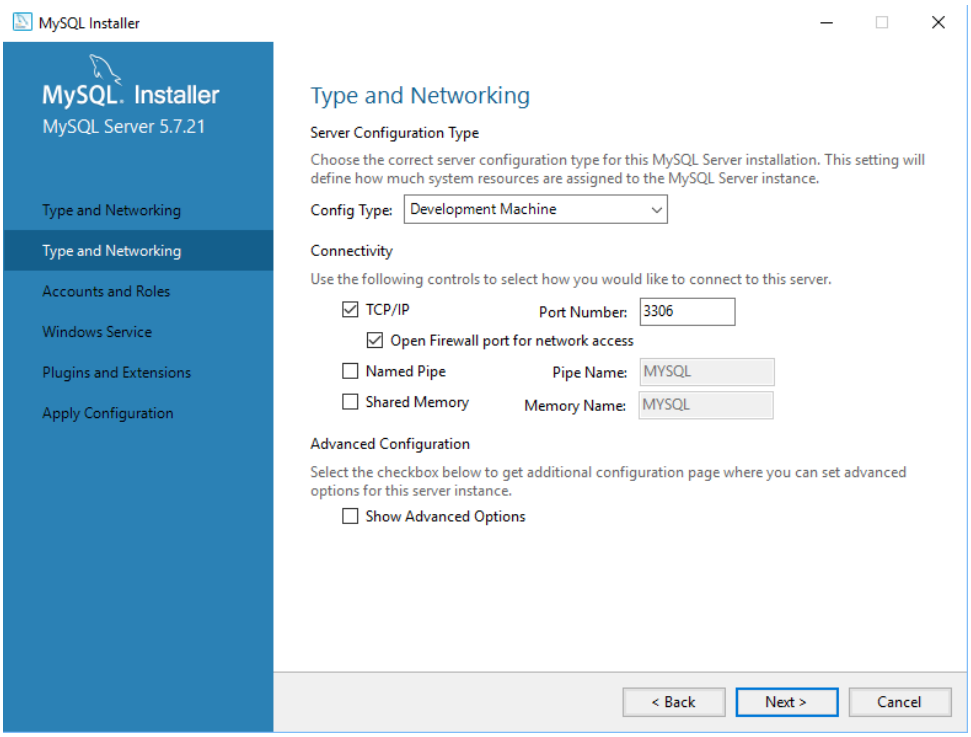
3.2 MySQL configuration



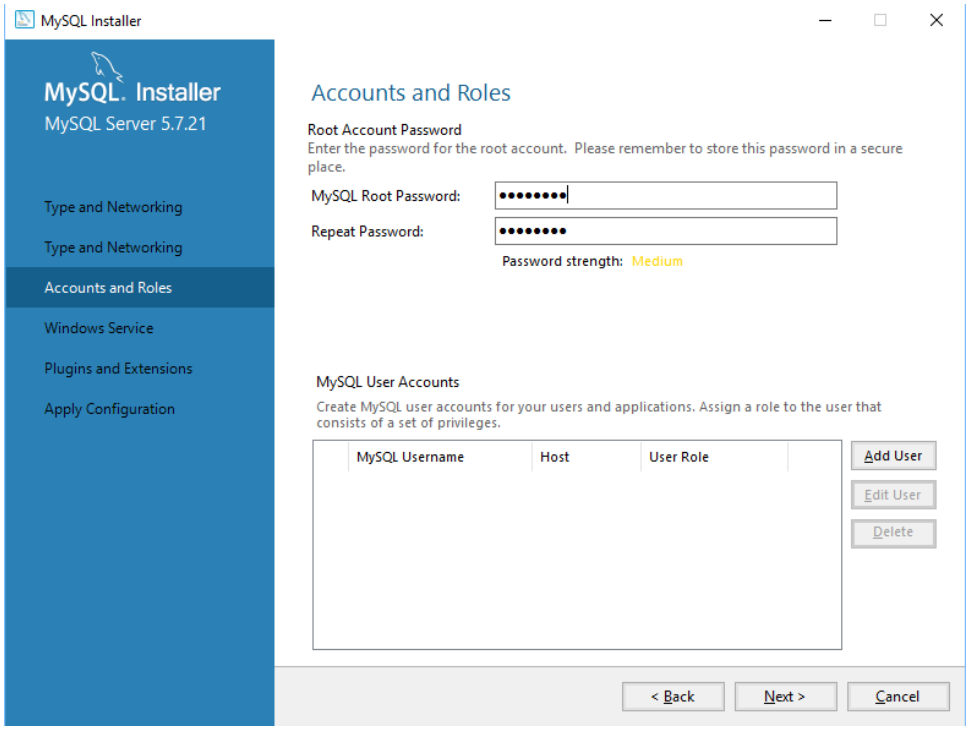
Click on Next.



We will keep default selection as shown in above screenshot and click on Next.

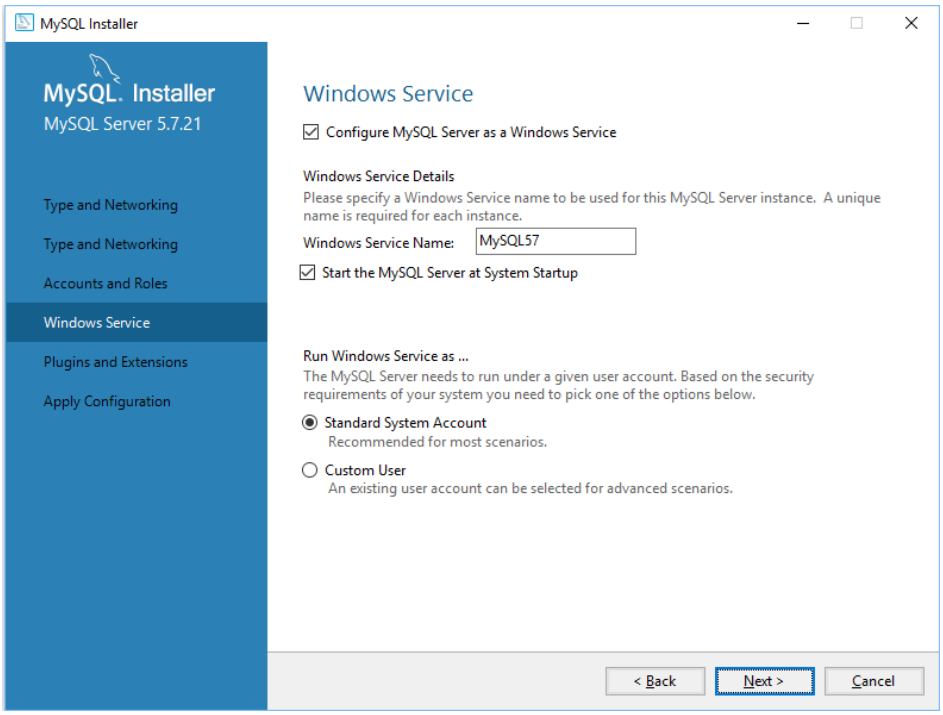


Keeping all the default configuration as shown in above screenshot we will click Next.

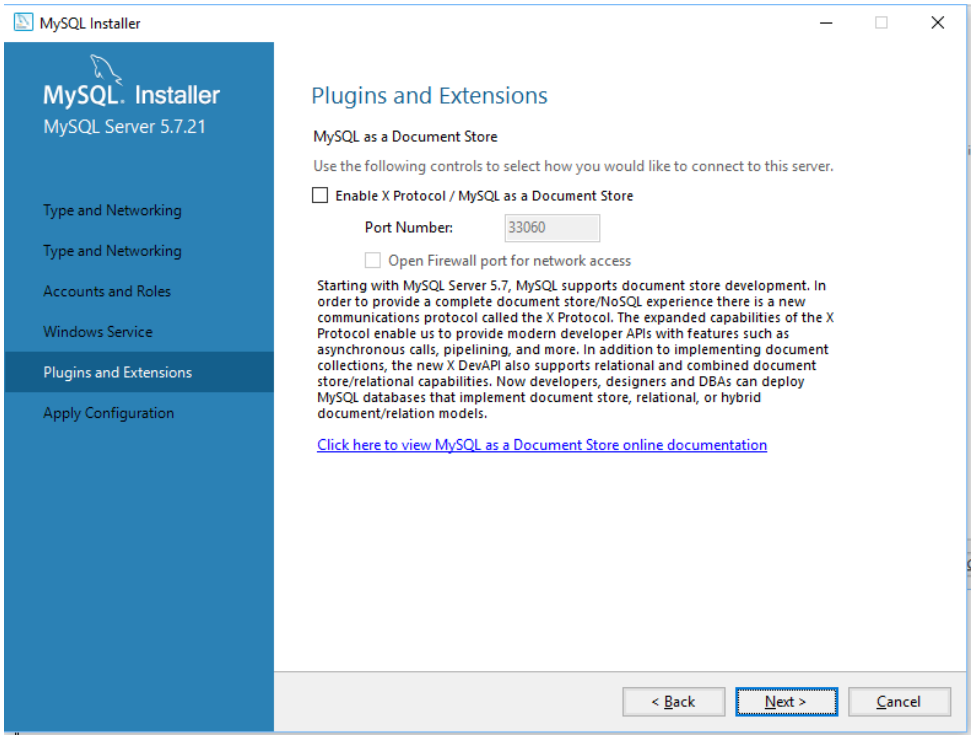


As you can see in the screenshot above I have given password for root user. ROOT User is main user account for MySQL which has administrator rights. Click on next.

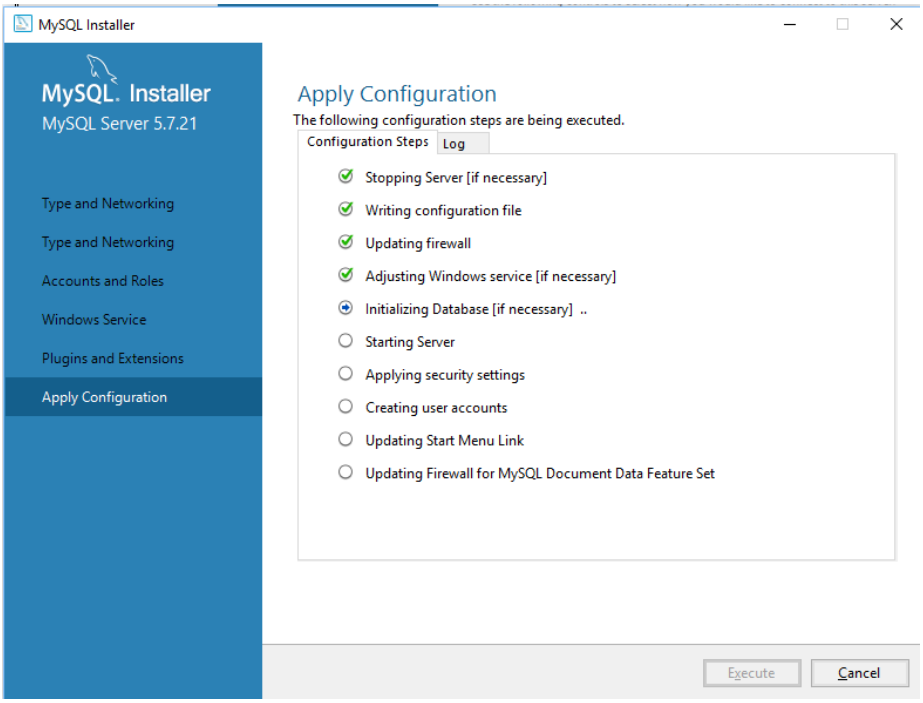
***Note: You will need to remember password which you have given during installation as it will be needed later.*



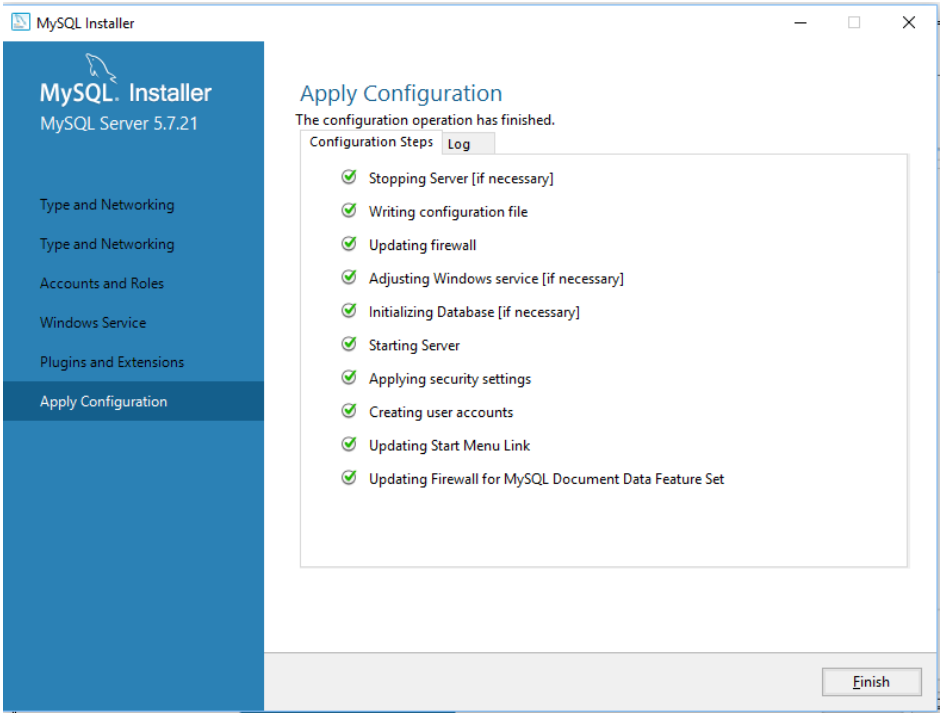
Keep all configuration as default and click on next.



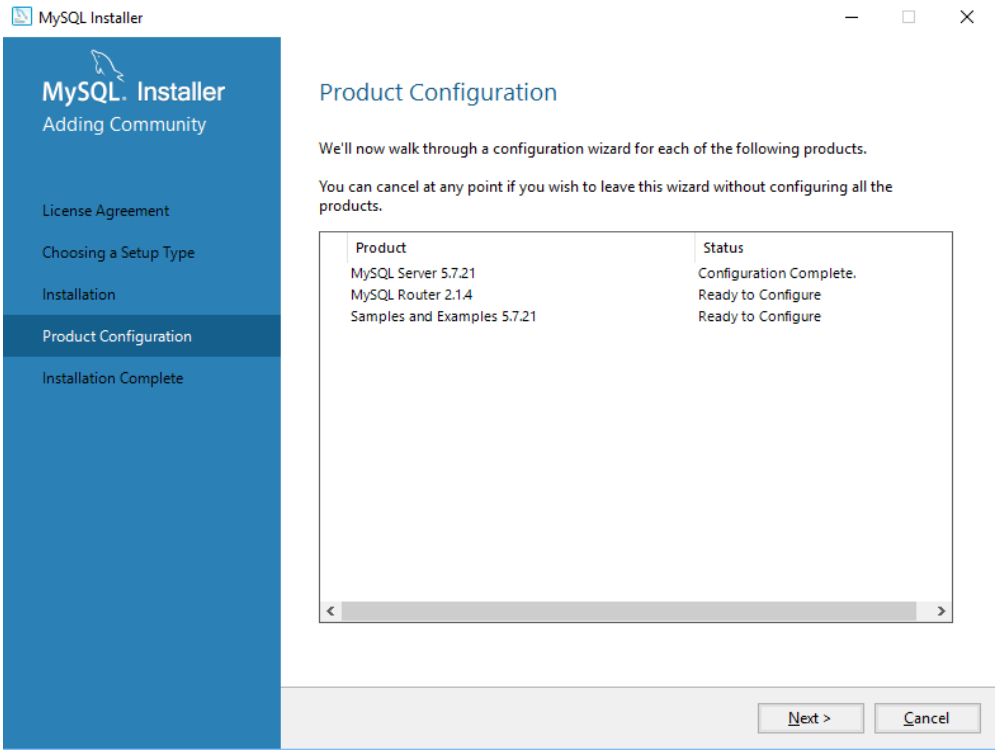
Keep all configuration as default and click on next.



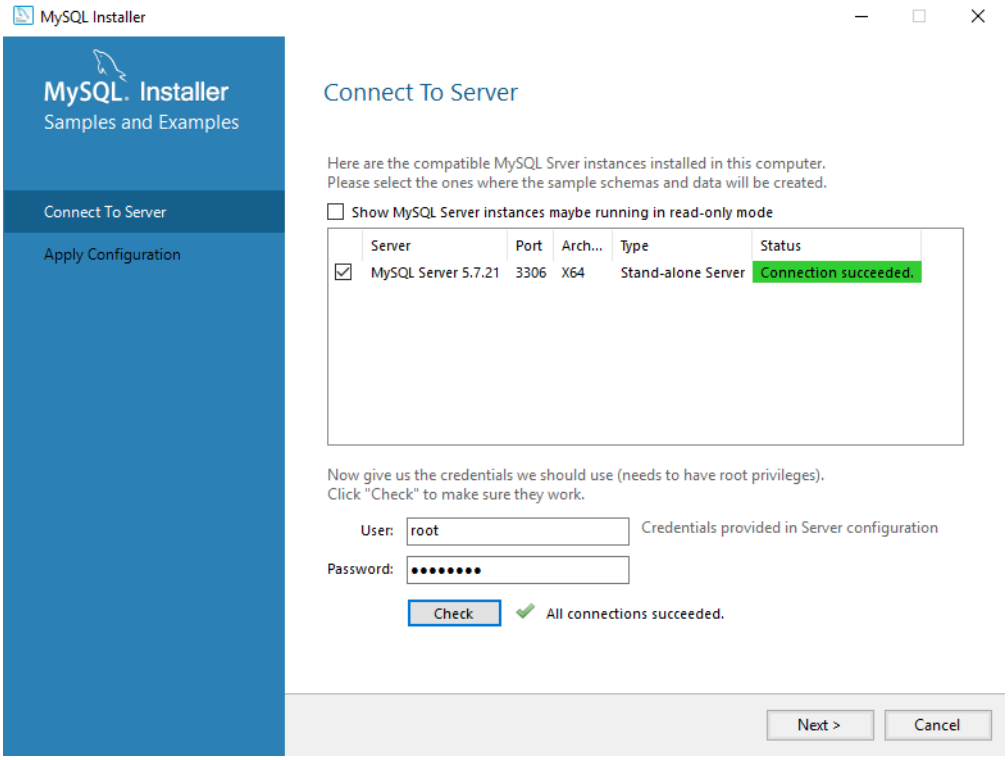
When you click on execute all the configuration will start installing. Wait until it's completed.



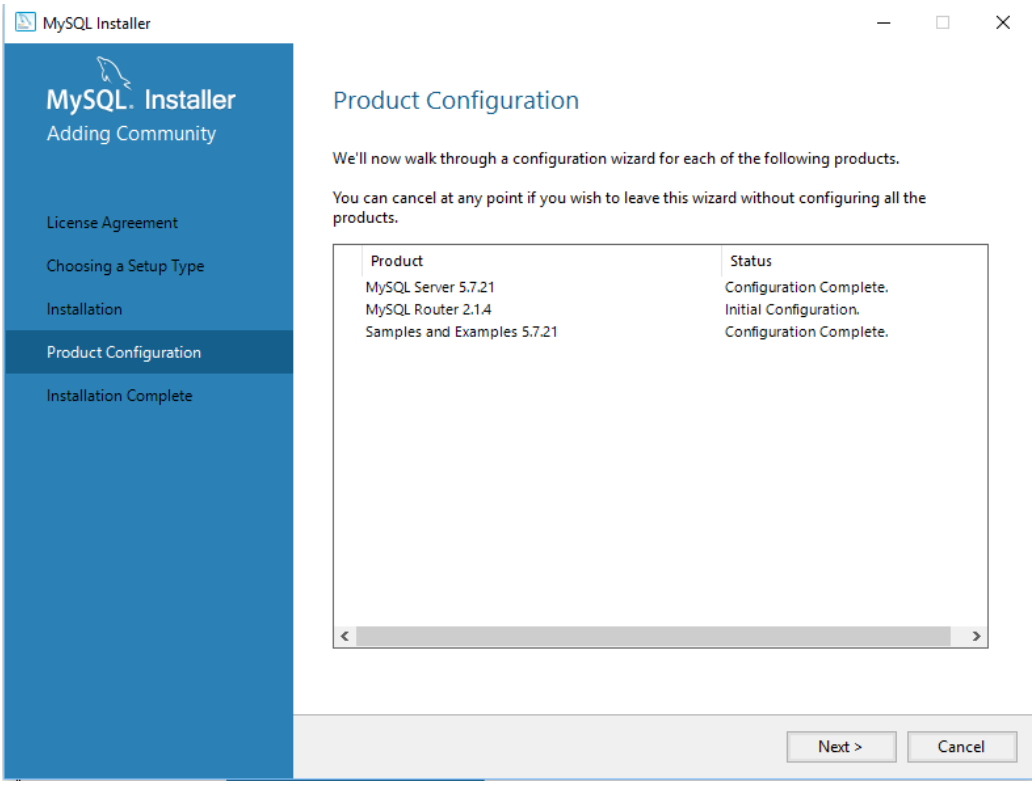
Click on finish it will complete server configuration. You will then see the screen below.



Keeping all the setting on default proceed with configuration **MySQL Router** & **Sample and Example** click next and proceed.



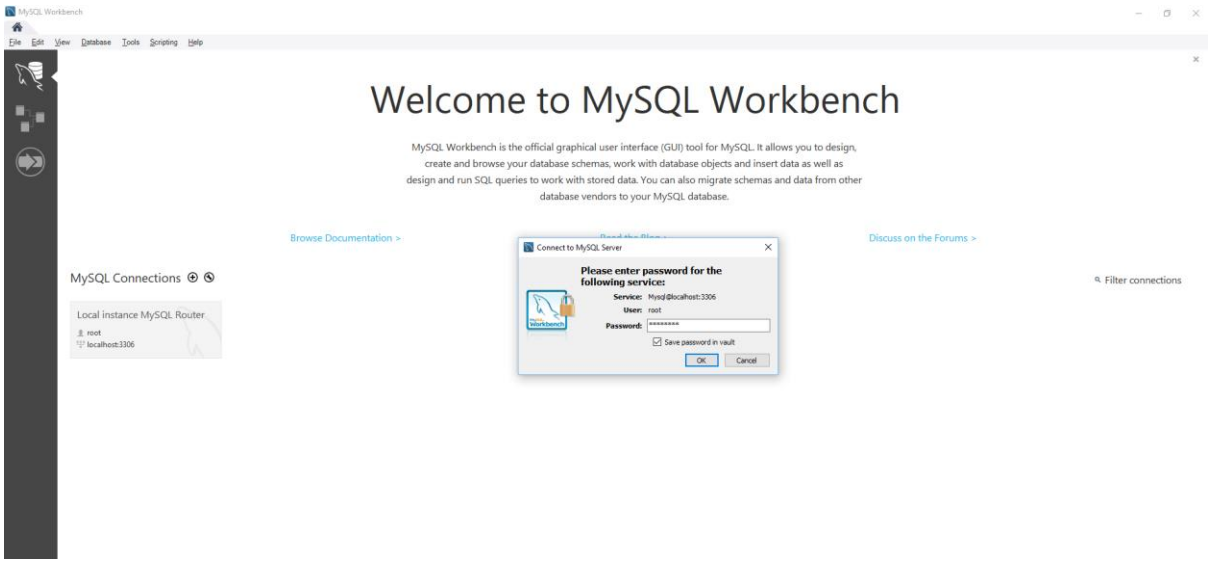
As per the screenshot above you will to provide root user password which you have set initially for installing **Sample and Examples.** Click on check it will show the message as displayed in above screenshot. Click next and click on execute for completing installation.



On successful installation you will see the screen as shown in above screenshot. Click on next and finish the installation. With this you have completed installation.

3.3 Login

3



When you click on **Local instance MySQL Router,** you will get popup where you will need to give password of root user which you have given during the installation. Every time when you start MySQL you will need to give the password. You can even save the password.