How to install NetBeans in Windows
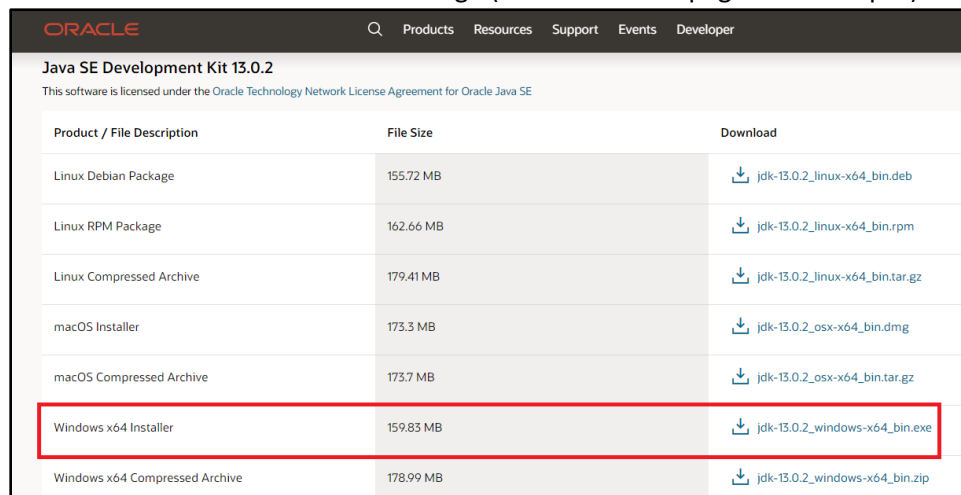
Note: Don't run the NetBeans installer before installing Java and/or Cygwin.

1. Download java version SE 13 jdk:
    a. Link: https://www.oracle.com/java/technologies/javase/jdk13-archive-downloads.html
        i. You can search java version 13 jdk if link does not work

    b. Select the **Windows x64 Installer** Image (scroll down the page to reach spot):

ORACLE	Q Products Resources Support Events Developer	
Java SE Development Kit 13.0.2		
This software is licensed under the Oracle Technology Network License Agreement for Oracle Java SE		
Product / File Description	**File Size**	**Download**
Linux Debian Package	155.72 MB	⬇ jdk-13.0.2_linux-x64_bin.deb
Linux RPM Package	162.66 MB	⬇ jdk-13.0.2_linux-x64_bin.rpm
Linux Compressed Archive	179.41 MB	⬇ jdk-13.0.2_linux-x64_bin.tar.gz
macOS Installer	173.3 MB	⬇ jdk-13.0.2_osx-x64_bin.dmg
macOS Compressed Archive	173.7 MB	⬇ jdk-13.0.2_osx-x64_bin.tar.gz
Windows x64 Installer	159.83 MB	⬇ jdk-13.0.2_windows-x64_bin.exe
Windows x64 Compressed Archive	178.99 MB	⬇ jdk-13.0.2_windows-x64_bin.zip

    c. Follow installation steps and leave default setting from installer as they are.

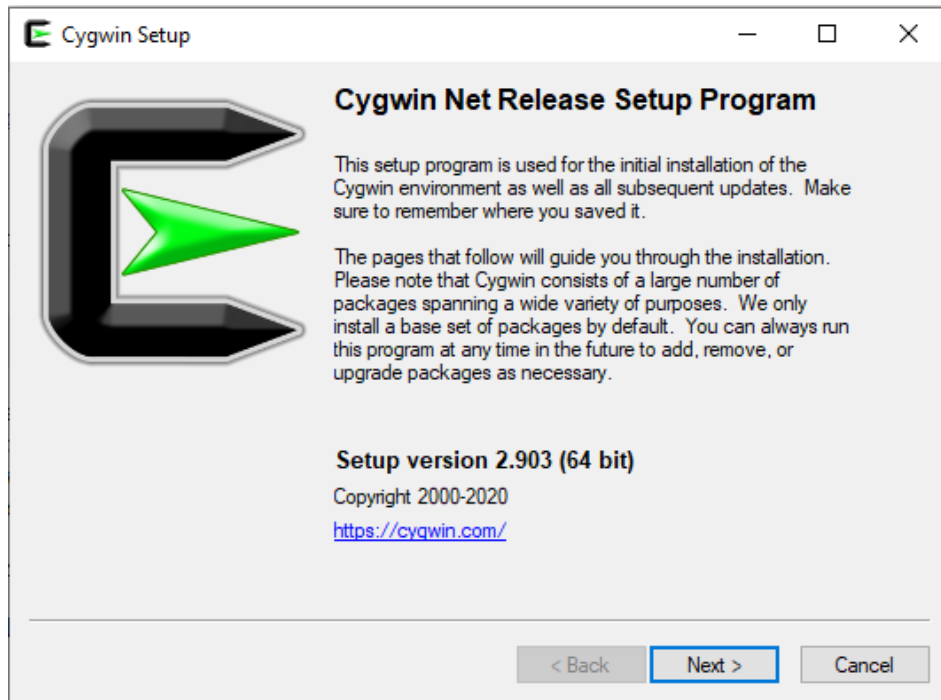2. Download Cygwin (64-bit version) and run executable:
   a. Link: https://www.cygwin.com/

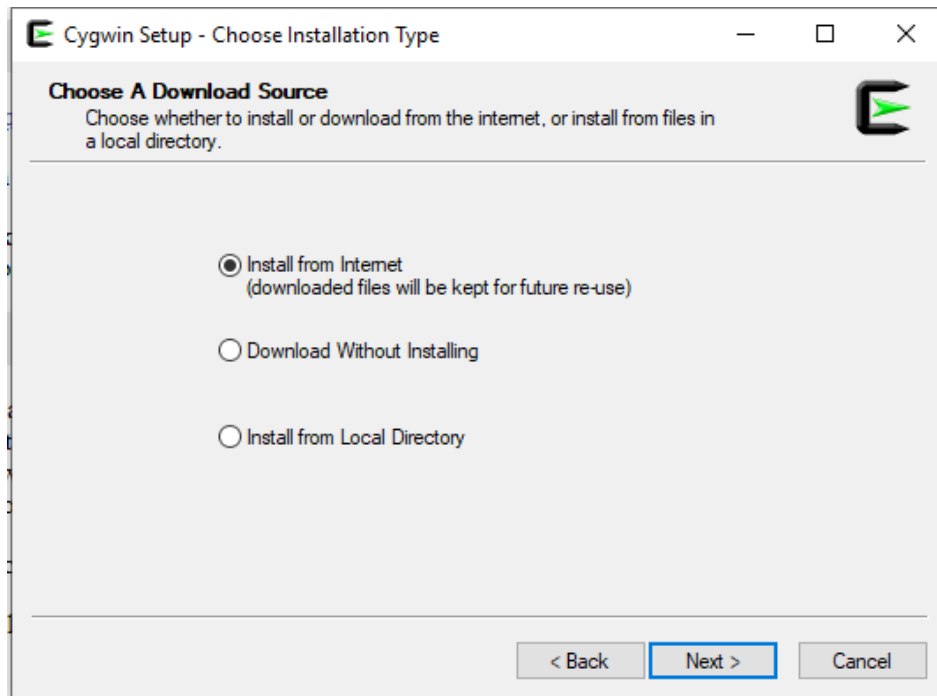   b. Image (scroll down the page to reach spot):
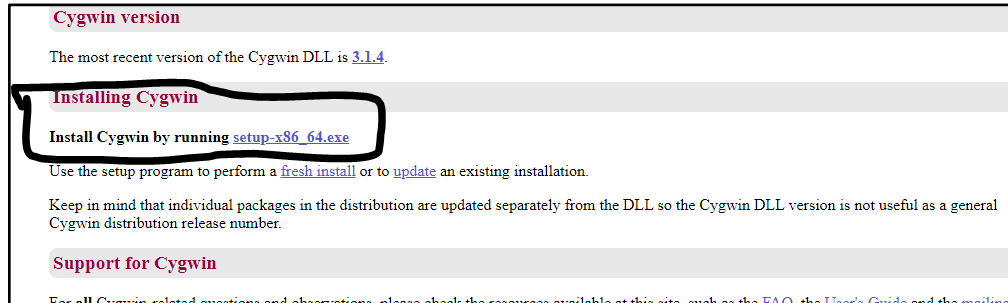
3. Run Cygwin setup-x86_64.exe and press next for the next few steps until you reach list of packages. leave default setting from installer
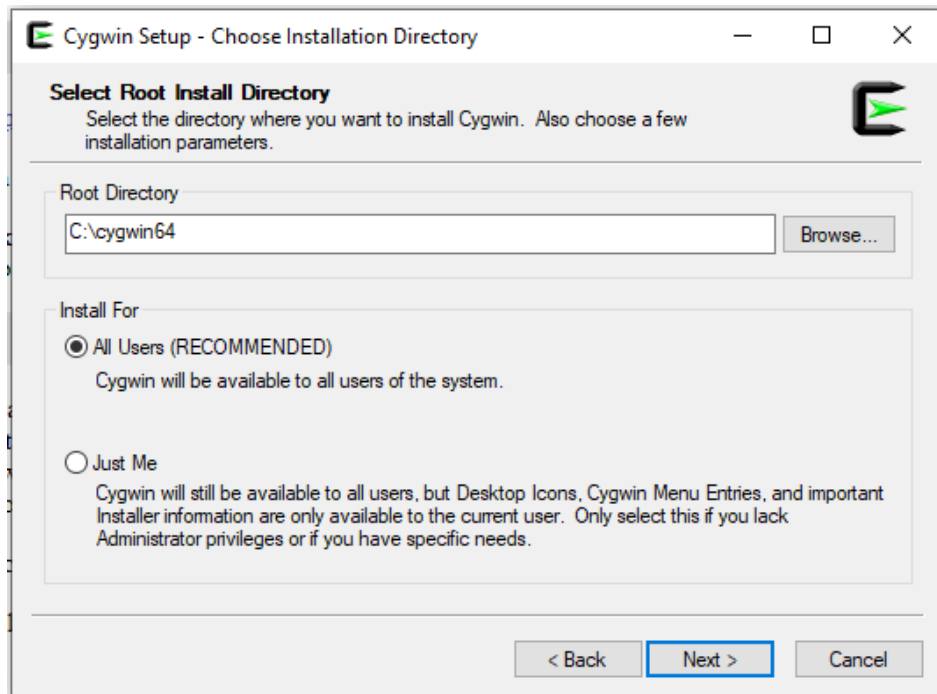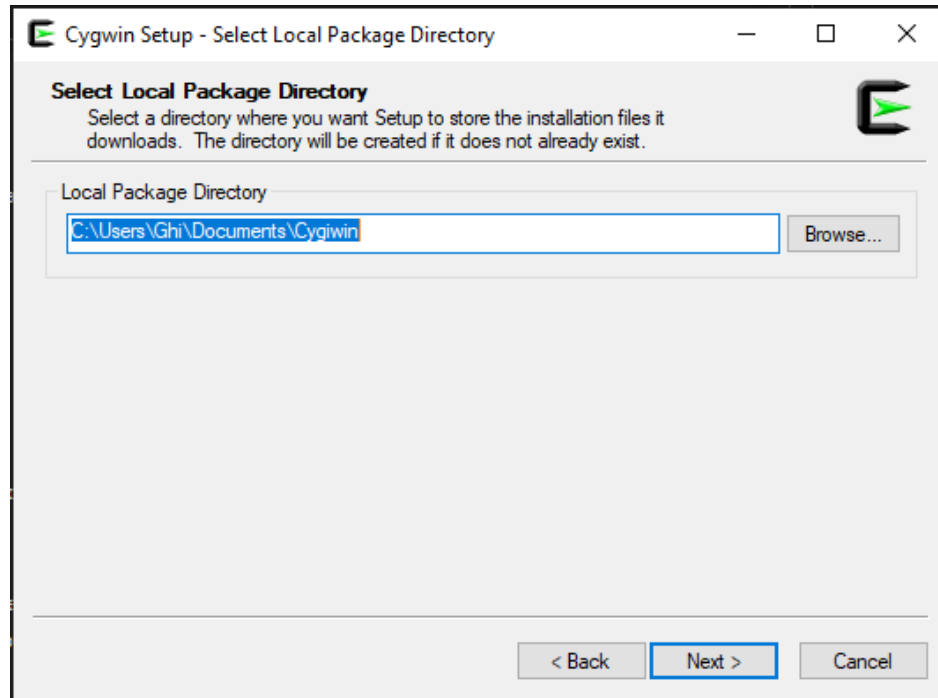   a.
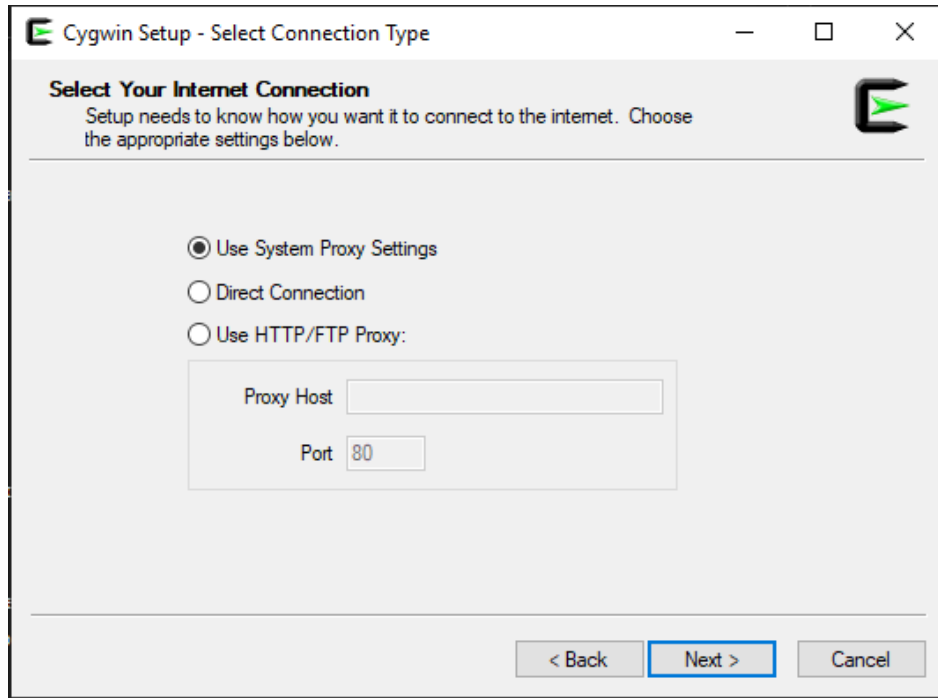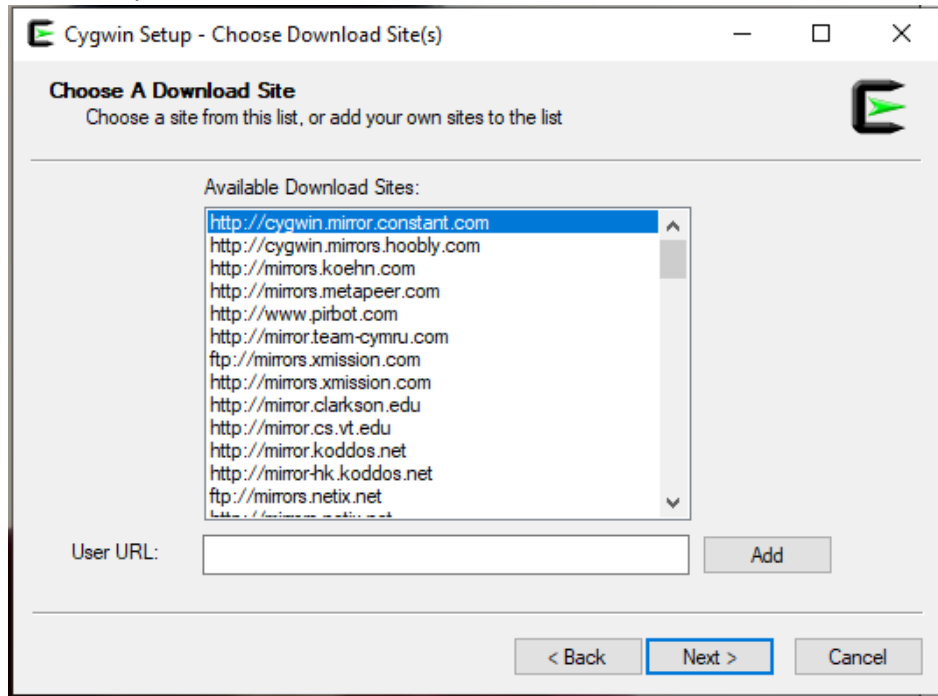
b.

Cygwin Setup - Choose Installation Type

Choose A Download Source
Choose whether to install or download from the internet, or install from files in a local directory.

◉ Install from Internet
   (downloaded files will be kept for future re-use)

○ Download Without Installing

○ Install from Local Directory

< Back   Next >   Cancel

c.

Cygwin Setup - Choose Installation Directory

Select Root Install Directory
Select the directory where you want to install Cygwin. Also choose a few installation parameters.

Root Directory

C:\cygwin64   Browse...

Install For

◉ All Users (RECOMMENDED)

   Cygwin will be available to all users of the system.

○ Just Me

   Cygwin will still be available to all users, but Desktop Icons, Cygwin Menu Entries, and important Installer information are only available to the current user. Only select this if you lack Administrator privileges or if you have specific needs.

< Back   Next >   Cancel

d.

e.

f. Choose any mirror links, it does not matter

4. Currently the page should be list of packages. Make sure that from the top left drop-down menu for view that full is selected
   a. In the search box enter **gcc**. From the package column find **gcc-core** and **gcc-g++.** For each package under the column New, click the drop-down arrow button and select the highest non-test version in the list

   b. In the search box enter **gdb** and find package name **gdb** and select highest non-test version under column New

c. In the search box enter **make** and find package **make** and under the column New select highest non-test version
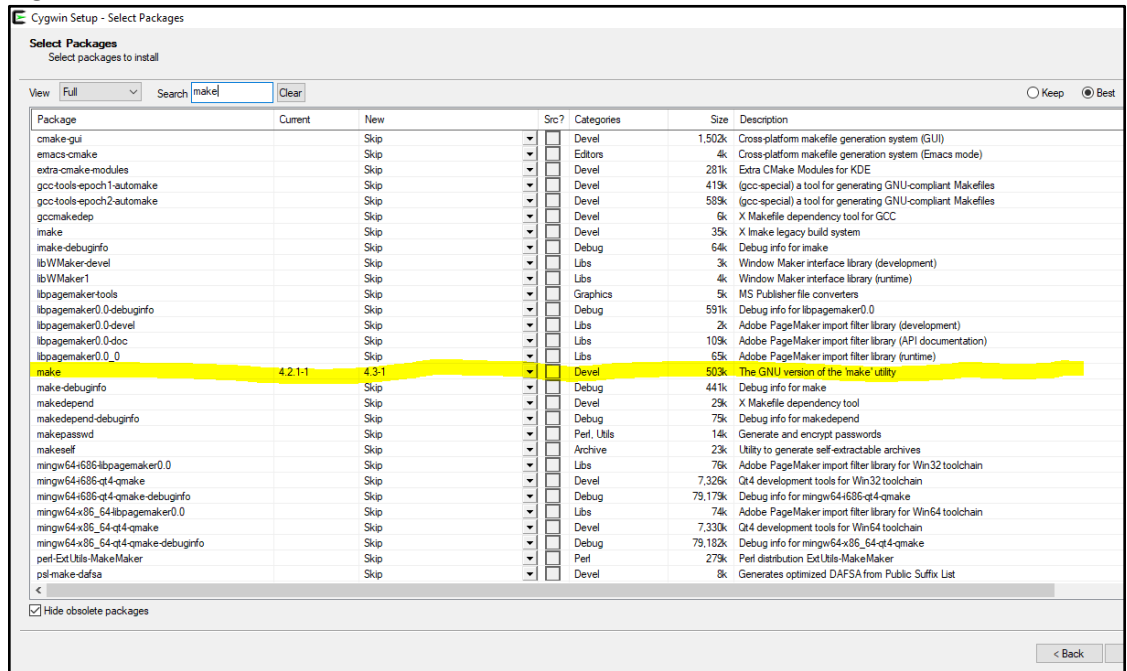
d. Click next after selecting all 4 packages, next page should be a list of packages that will be installing (Mine is different because some of those packages are already installed). After seeing the list click next and download should start. Next step will take a while
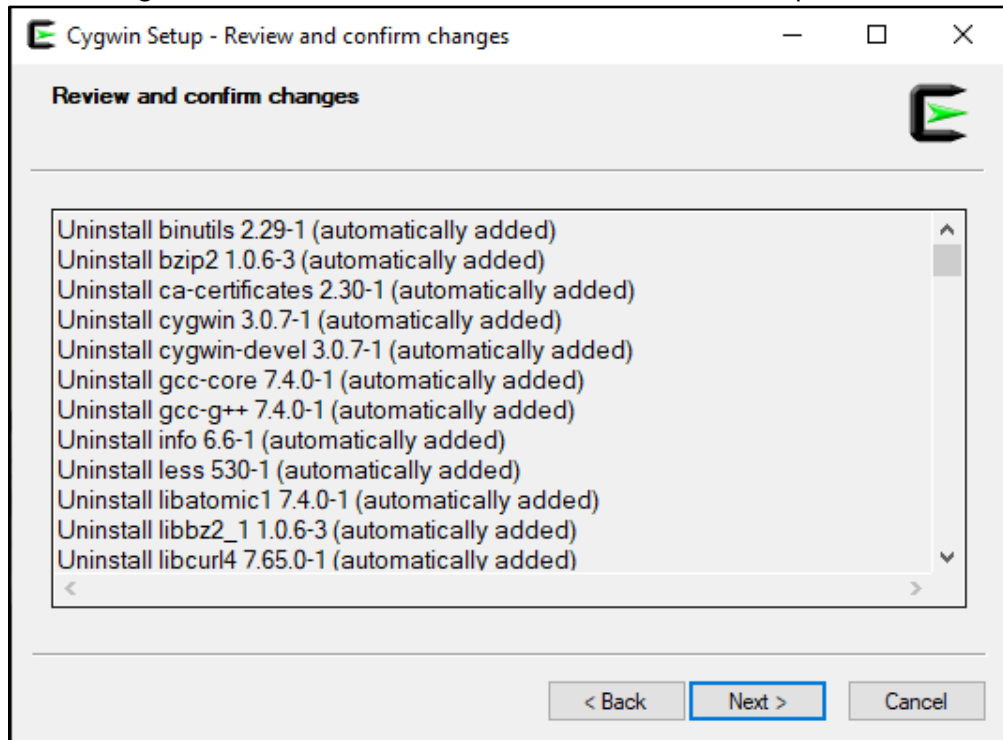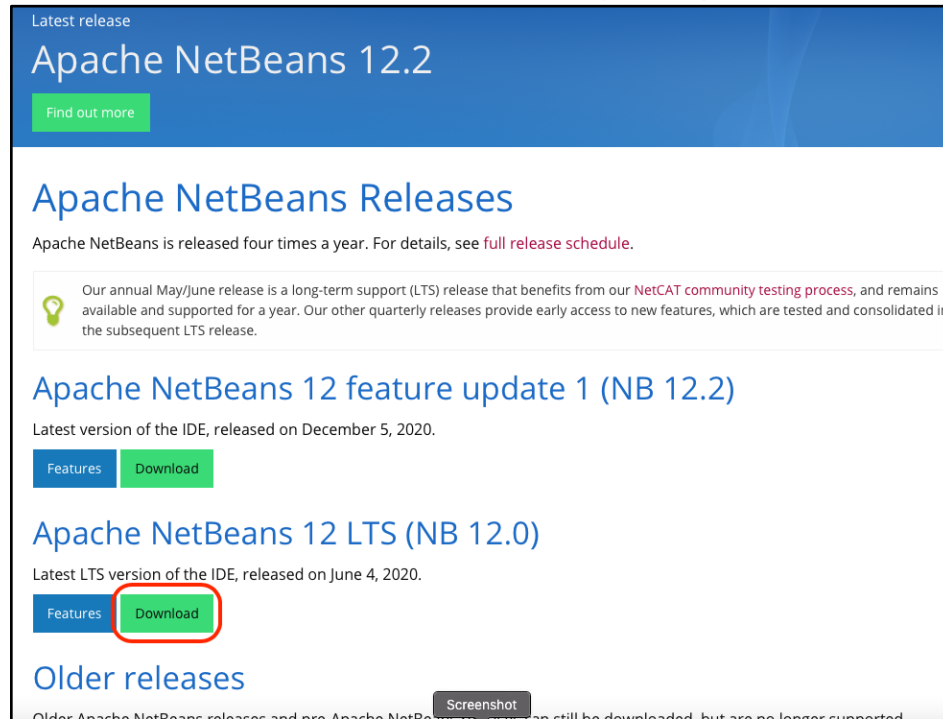
e. After installation is complete, click finish or done to exit installer

5. Download NetBeans 12 LTS (released June 2020)
   a. Link: https://netbeans.apache.org/download/
   (Link should work, if not search "Download NetBeans 12 LTS")
   Click the 'Download' button for **NetBeans 12 LTS (NB 12.0)**

   b. In the page, make sure to download the Windows 64-bit version of NetBeans:

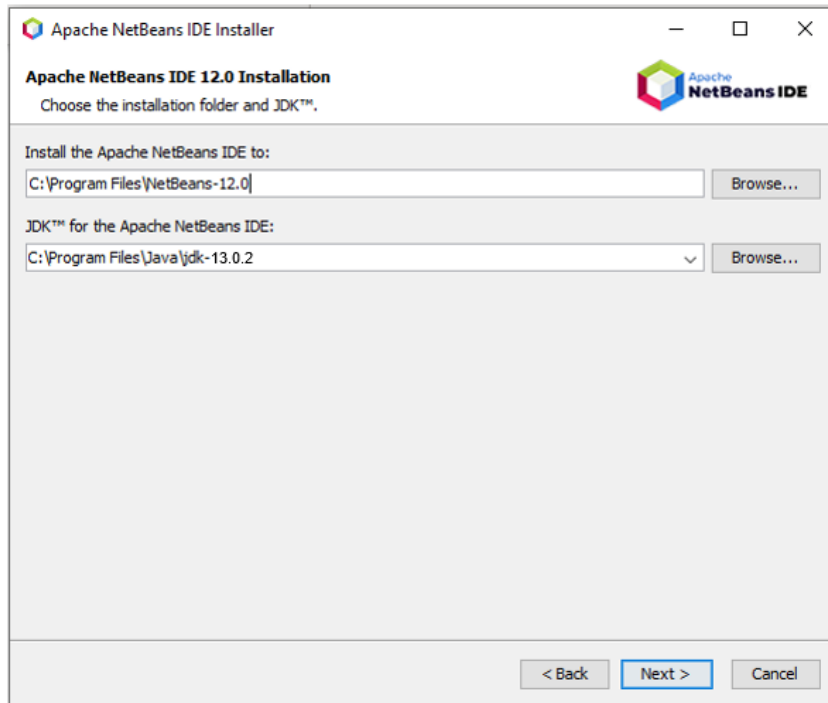c. Go to your **Downloads** folder and run the NetBeans installer (**Apache-NetBeans-12.0-bin-windows-x64.exe**). Follow the steps without changing any of the default setting by clicking **next**:
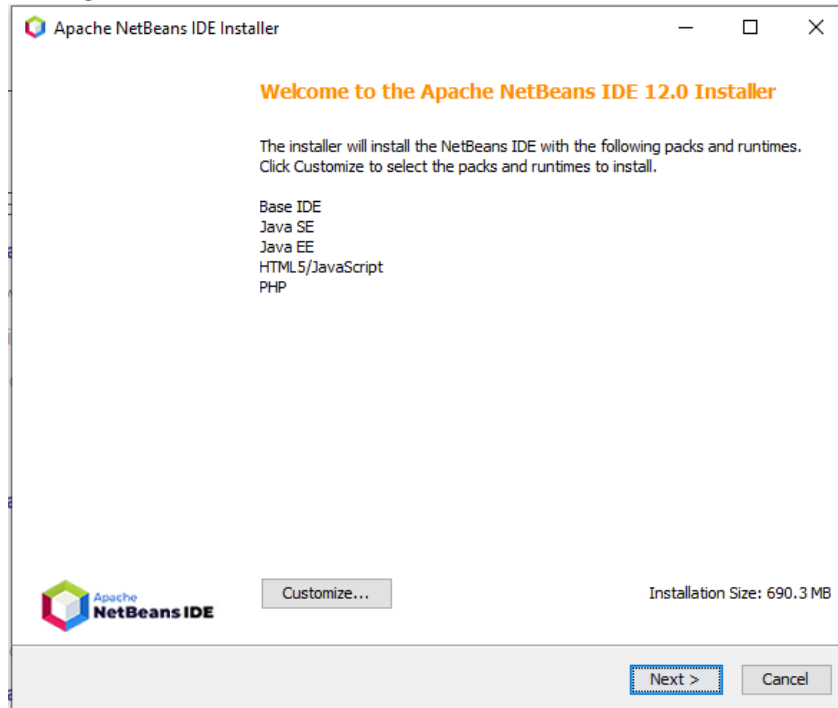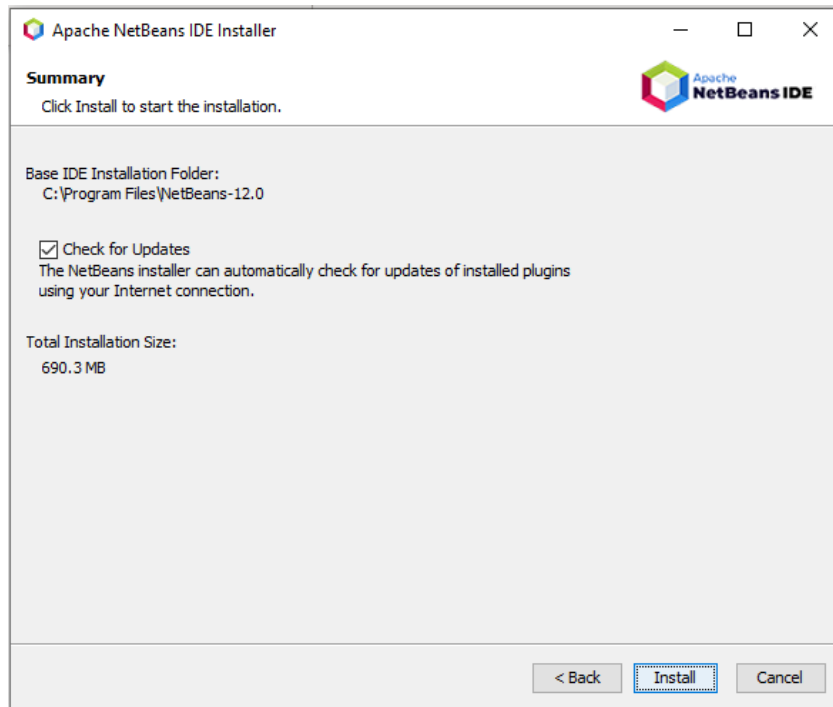

d.
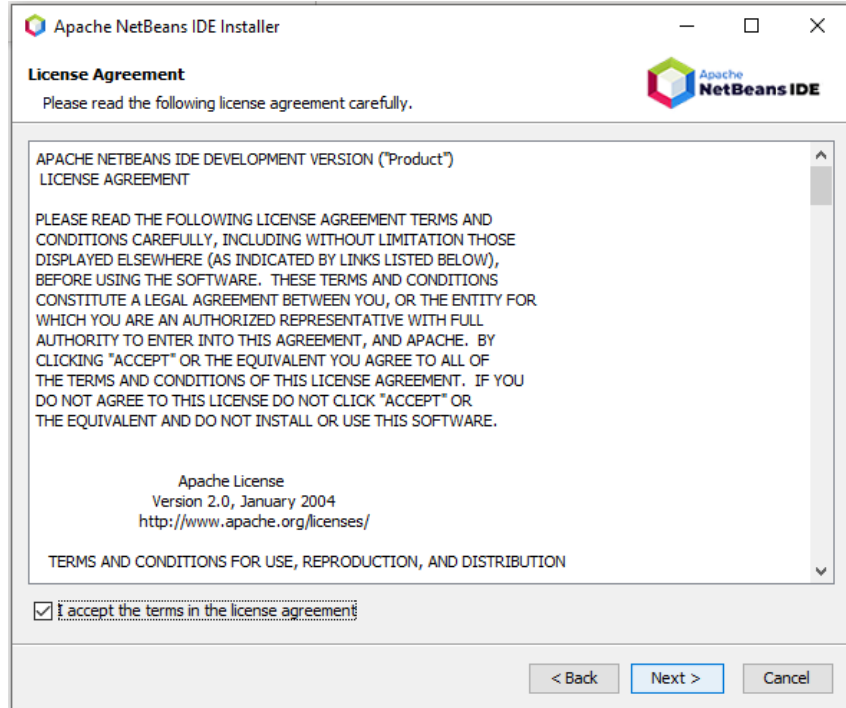
e.

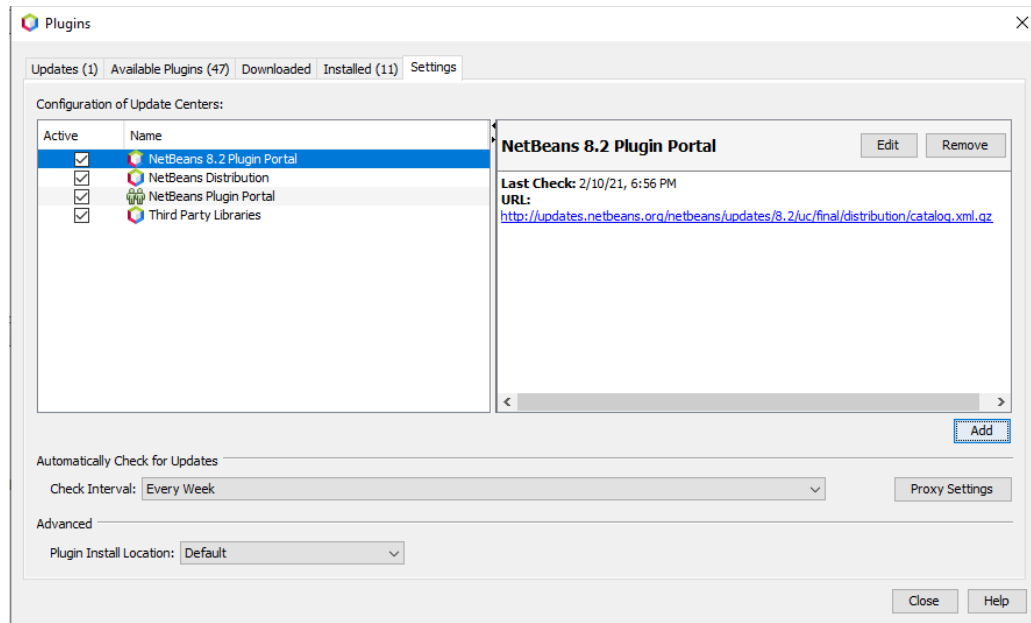*Make sure that under JDK for the NetBeans IDE to select Java version 13 from drop down menu.*

f.

Click install

Installation may take a while. After its done click **finish** or **done**, and run and test NetBeans to see if it works.

6. Install plugin to compile C/C++ projects
   a. Go to Tools -> Plugins
   b. Click on settings tab and make sure that NetBeans 8.2 Plugin Portal is selected

   c. If NetBeans 8.2 Plugin Portal is not available, click add button to include the repository
      i. You can use the URL below when adding the update center:

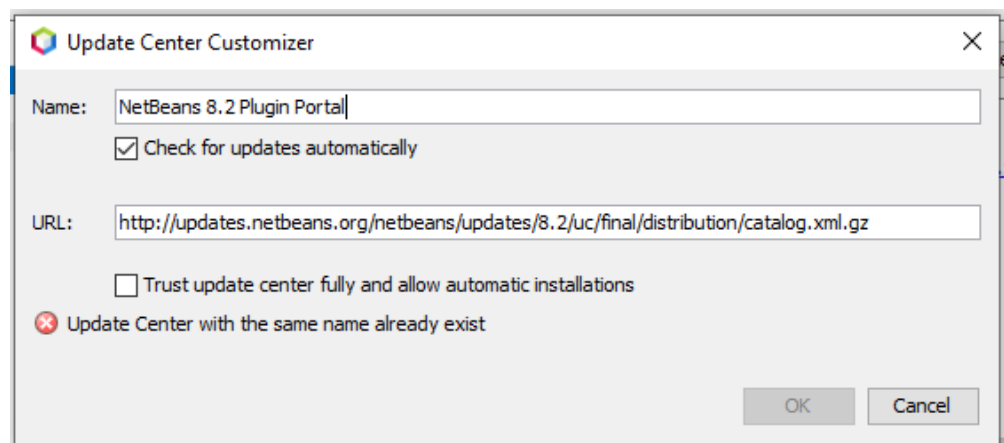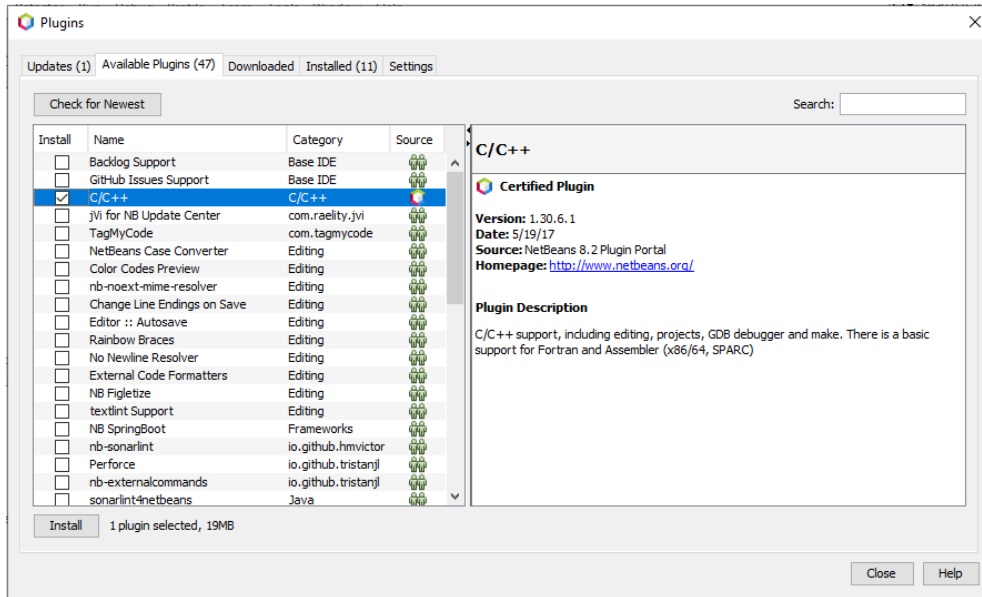http://updates.netbeans.org/netbeans/updates/8.2/uc/final/distribution/catalog.xml.gz

Figure 1If you already have the Plugin Portal installed or using the same link, the message will appear

d. Click on available Plugins tab, select C/C++, then click install
    i. If the option is not in the list, click Check for Newest

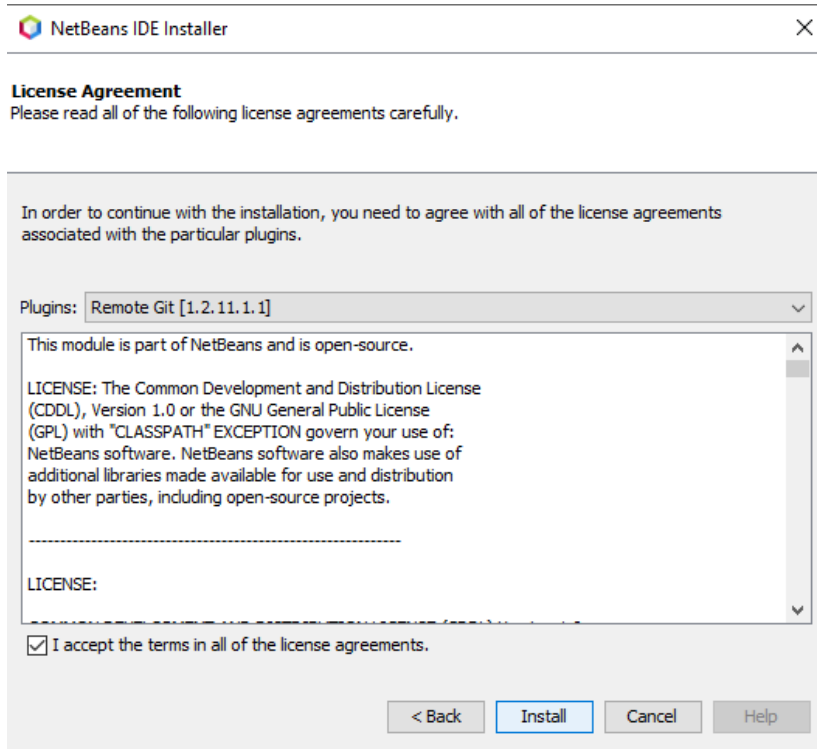e. Click next, accept the license agreement then click install
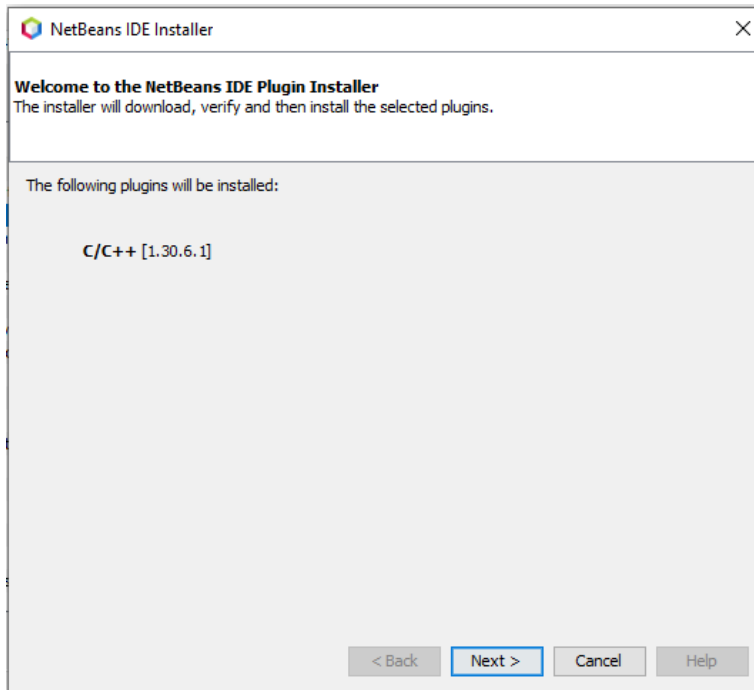
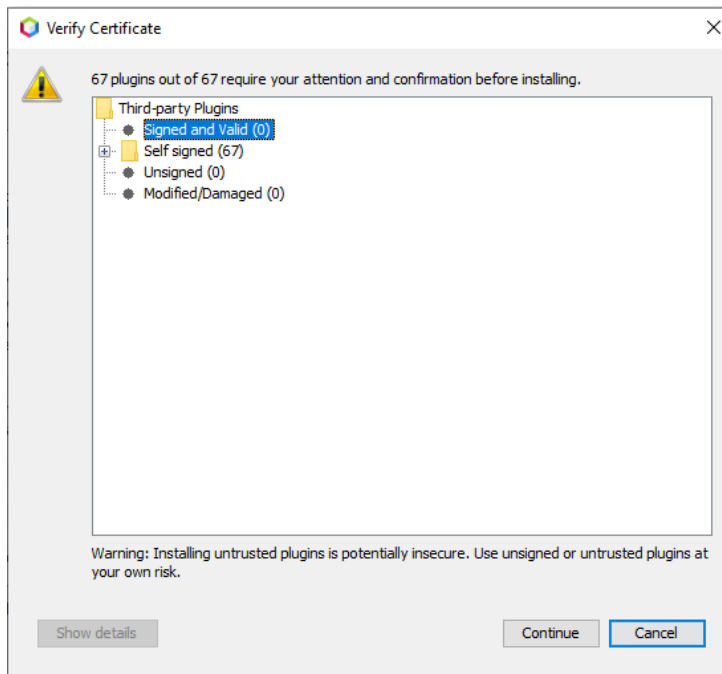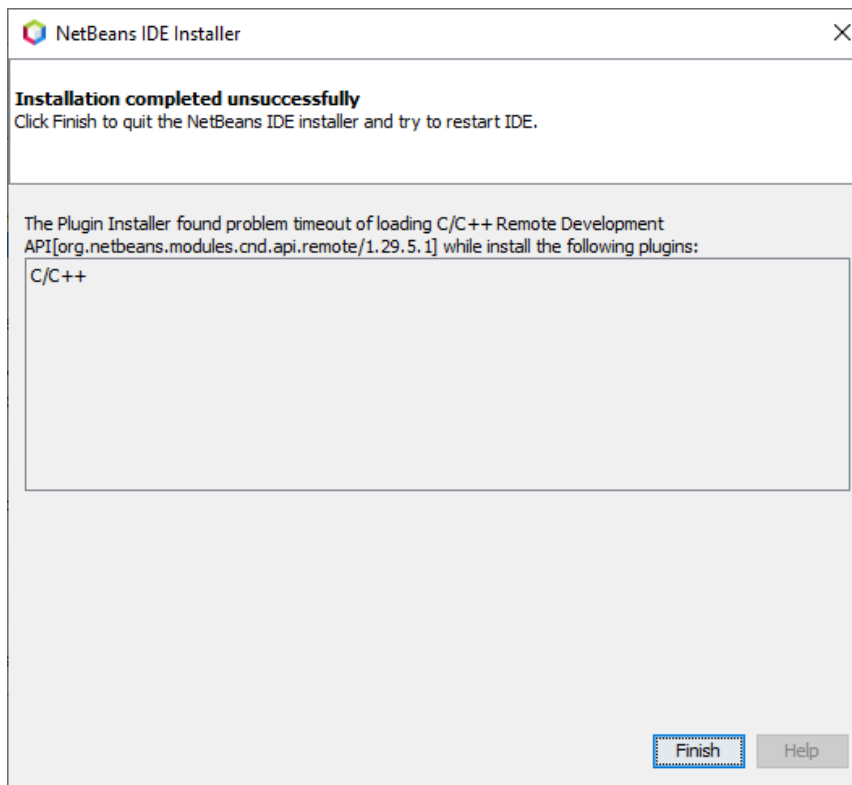*Figure 2Accept license agreement then click install*

f.

Figure 3Click continue

g. Click finish and restart NetBeans

h. You should see C/C++ as an option to make new projects