PW SKILLS

Lecture - 5

Software Installation

List of Concepts Involved:

- Download and Install Java
- Download and Install Eclipse
- Download and Install Visual Studio Code
- Download and Install Visual Studio Code

Topics covered Yesterday's Session:

- Git and GitHub

Download and Install Java

Choose the Operating System for instructions to install Java:

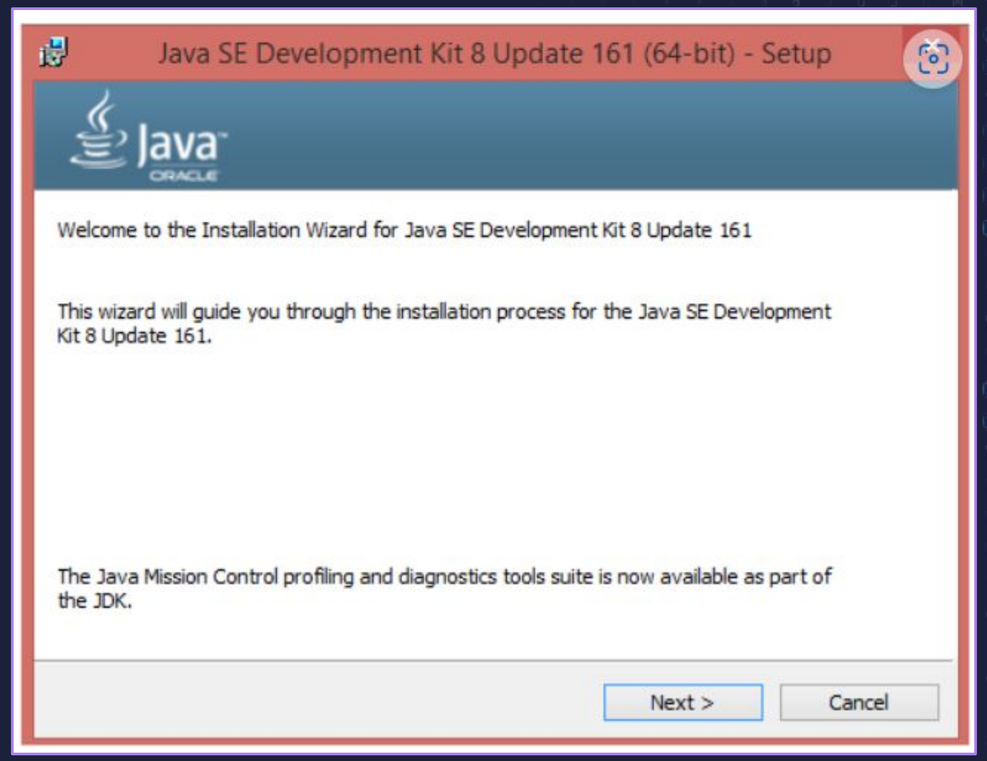
- Windows
- Mac
- Linux

Download JDK

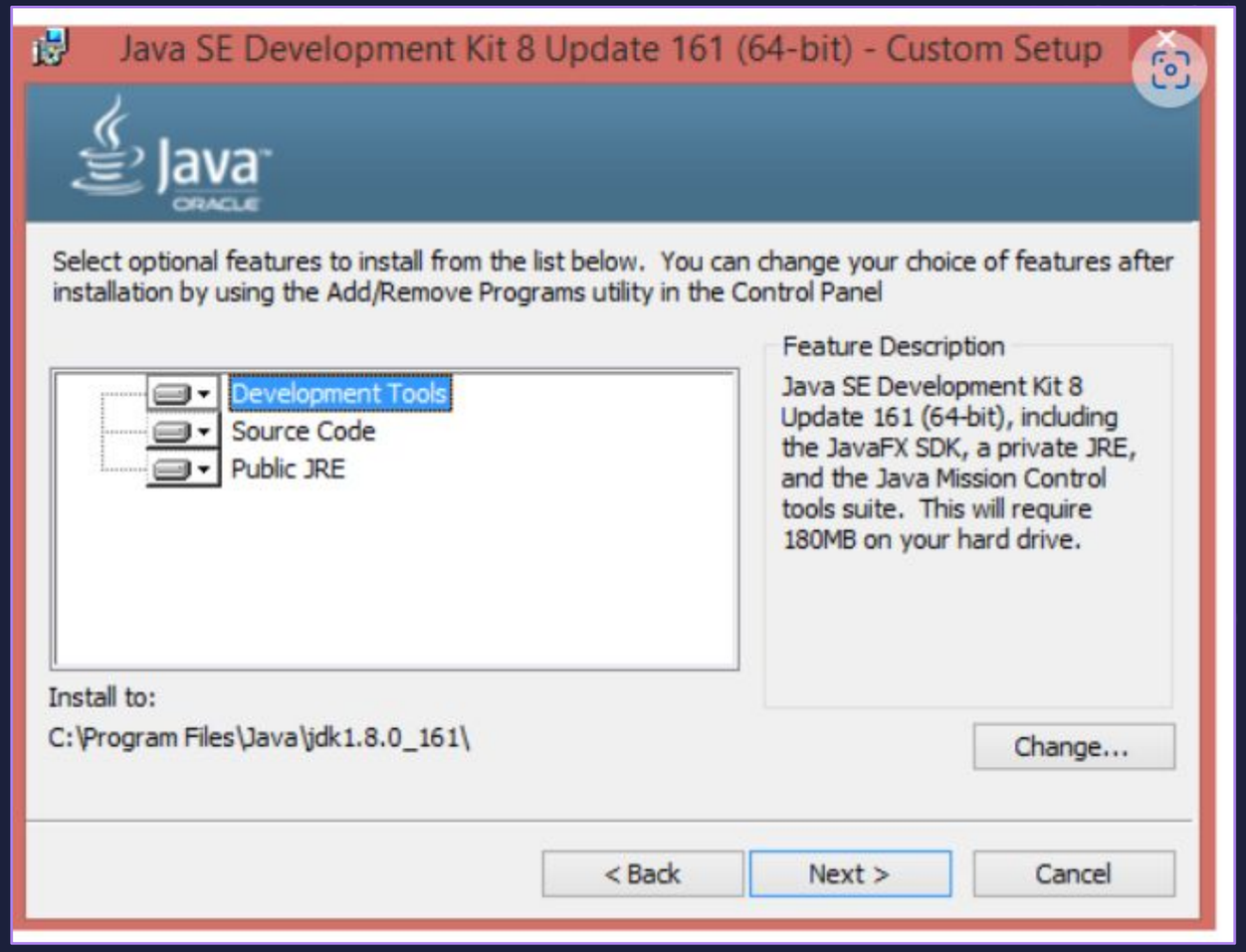
Click the below link to download jdk 1.8 for you windows 64 bit system.

Download JDK For Windows

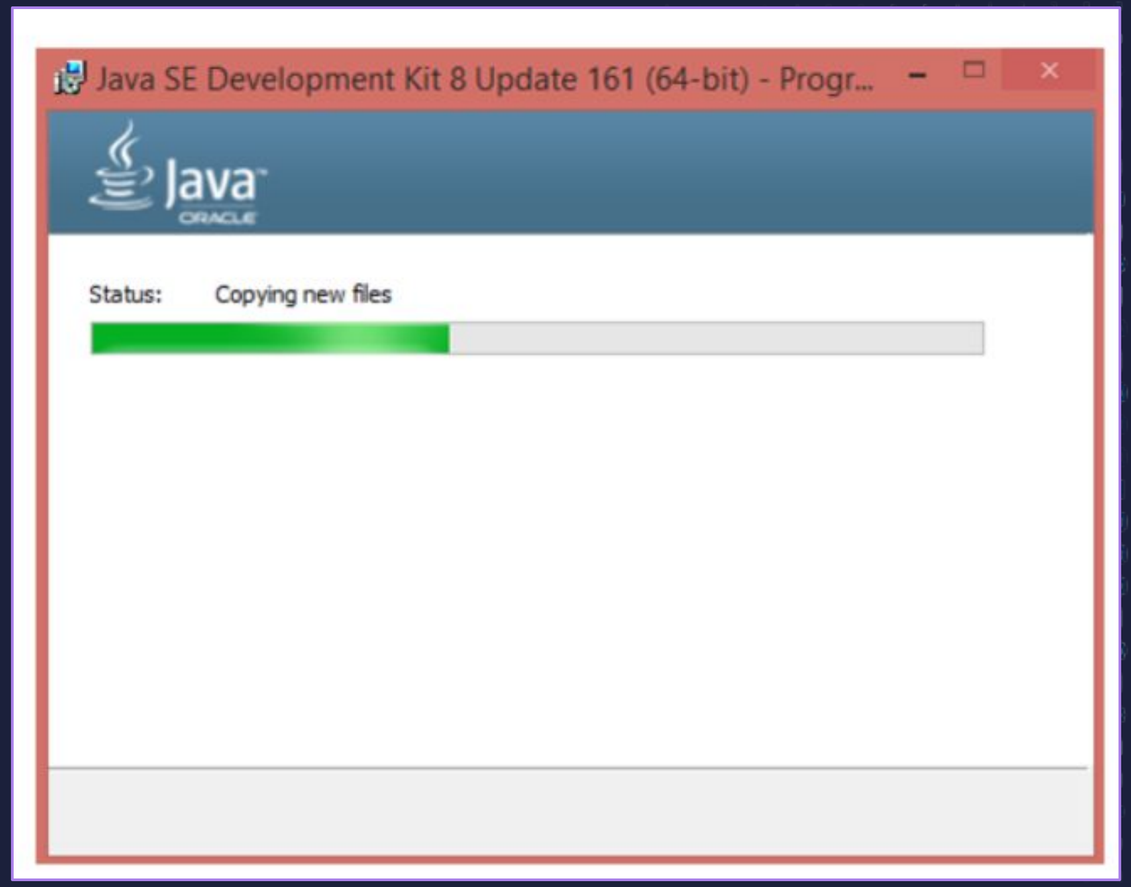
Open the executable file which you have just downloaded and follow the steps.



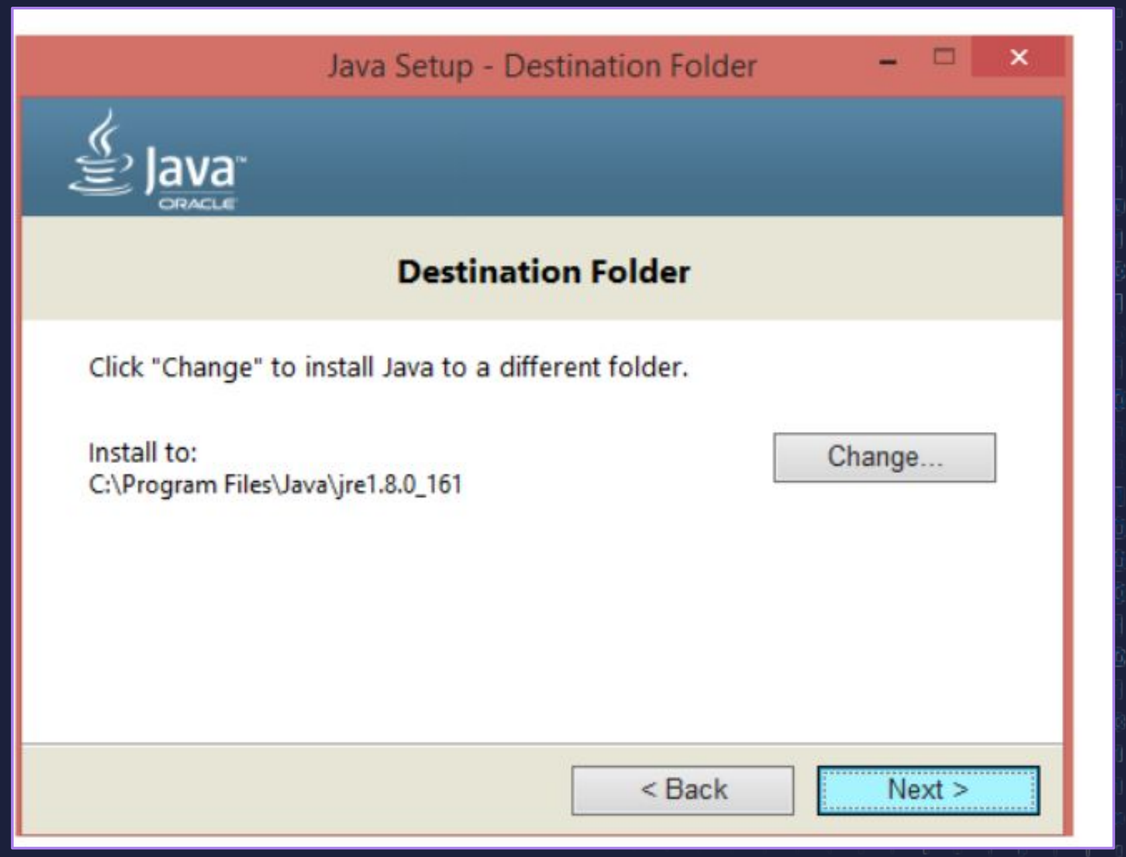
Click Next to continue



Just Choose Development Tools and click Next.



Set up is being ready.

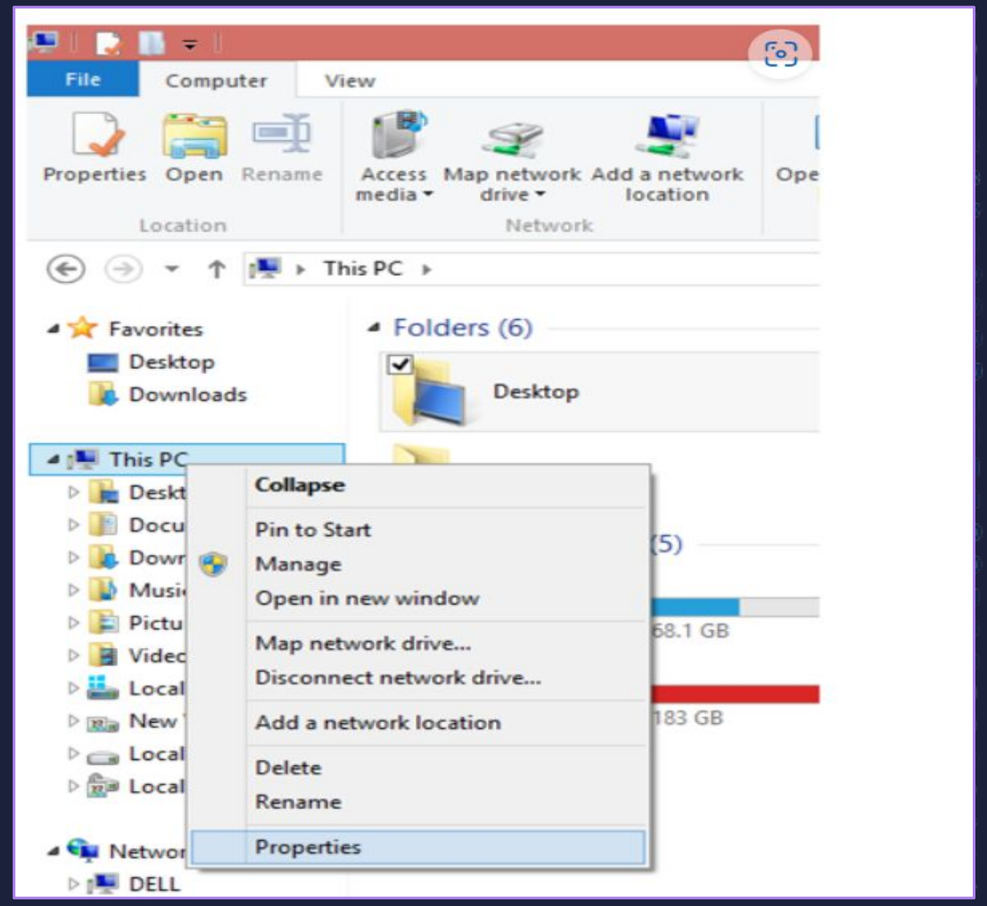


Choose the Destination folder in which you want to install JDK. Click Next to continue with the installation.

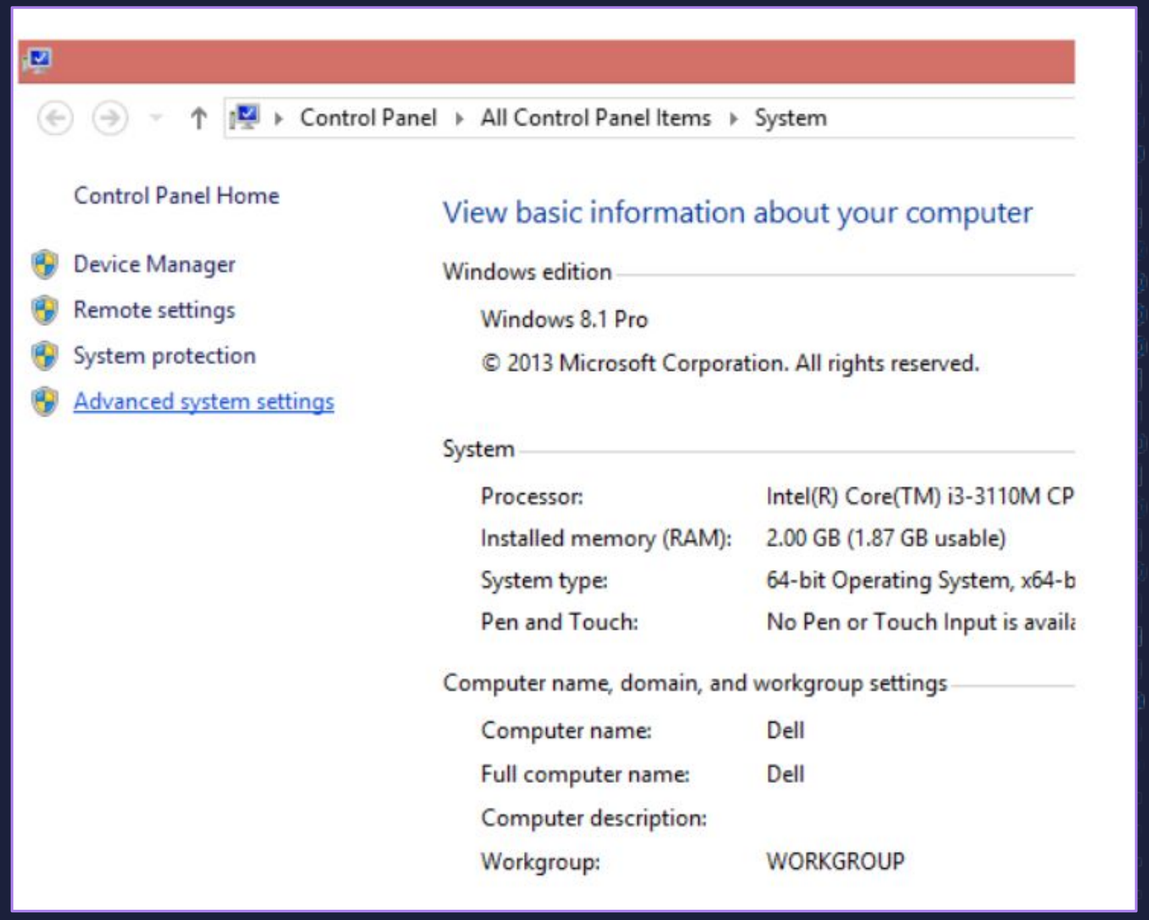
Setup is installing Java to the computer.

We have successfully installed Java SE development kit 8. Close the installation setup.

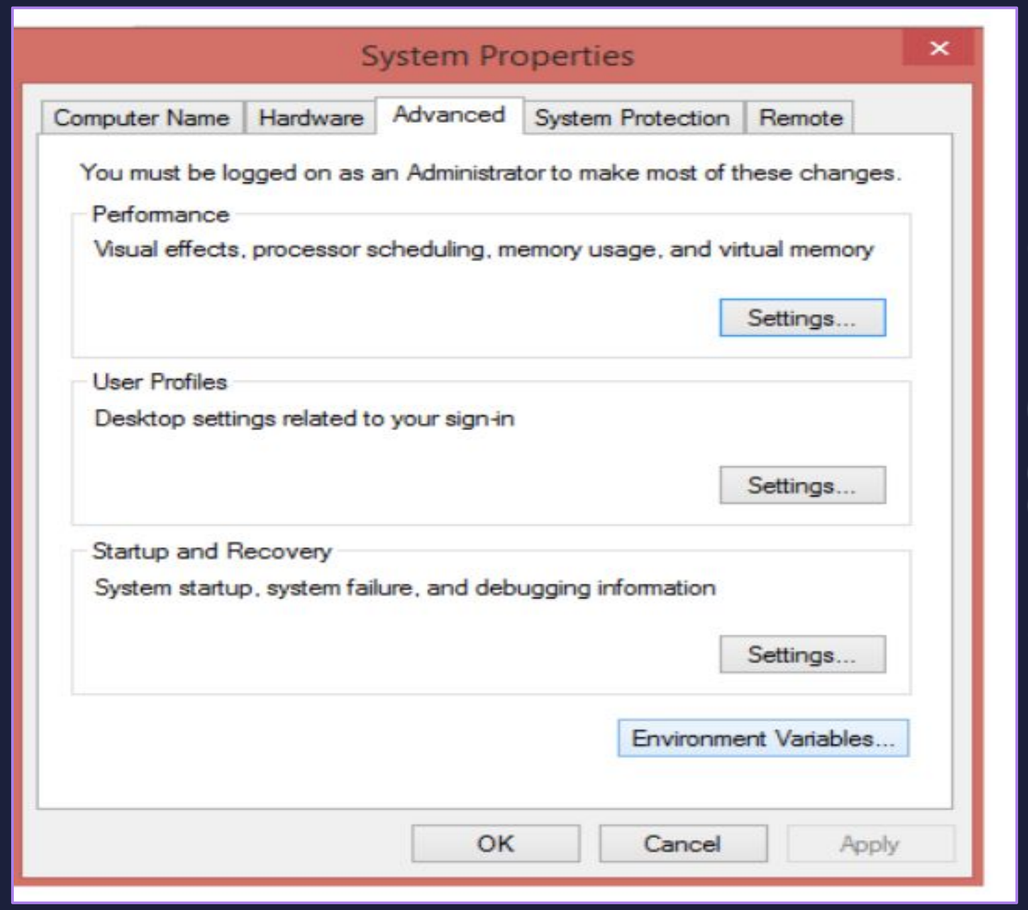
Set the Permanent Path



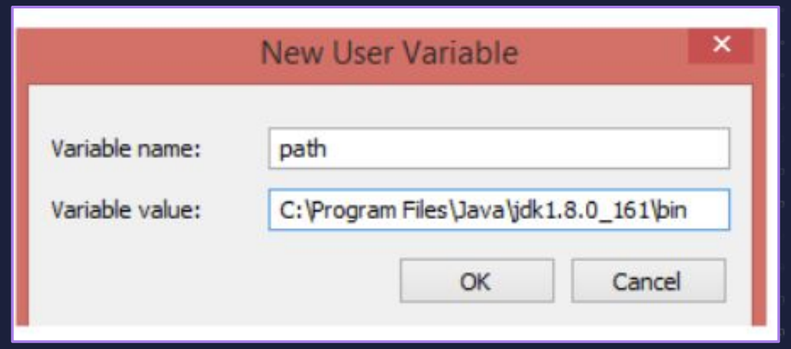
Right click on "this PC". It can be named as "My Computer" in some systems. Choose "properties" from the options.



The screen look alike the above image will open. Click on "Advanced system settings" to continue.



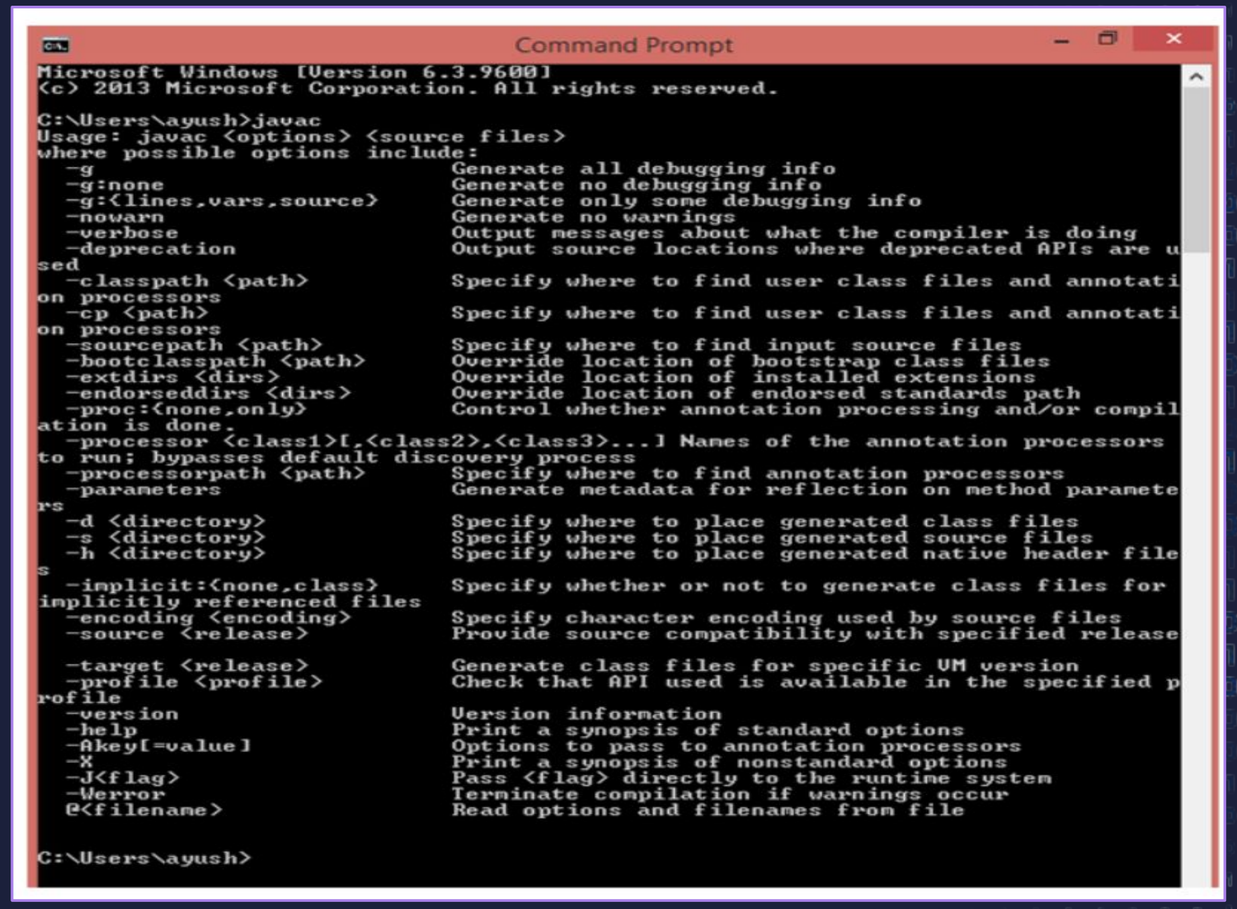
Above window will open. Click on "Environment Variables" to continue.



Enter "path" in variable name and enter the path to the bin folder inside your JDK in the variable value. Click OK.

Now Java Path has been set up. Open the Command prompt and type "javac" In case you have already open up the command prompt, I suggest you to close the existing window and reopen it again.

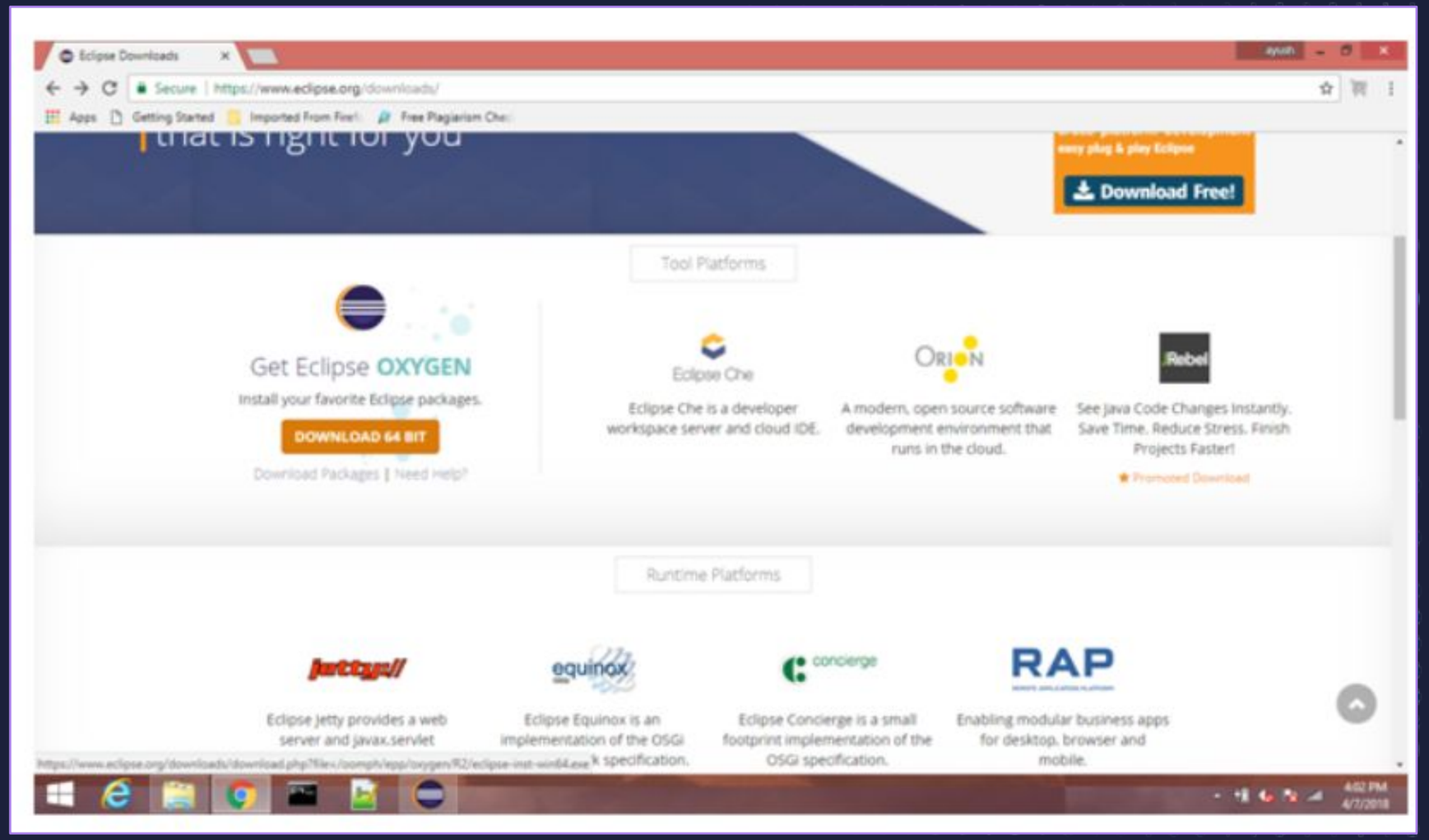
We will get javac executed as shown in the image below.



Download and Install Eclipse

The Java has been installed on our system. Now, we need to configure IDEs like NetBeans or Eclipse

Click the link https://www.eclipse.org/downloads/ to visit the download page of eclipse. You can download the latest version of eclipse. eclipse oxygen from that page. The opened page will look like following, click on DOWNLOAD 64 BIT to proceed the download.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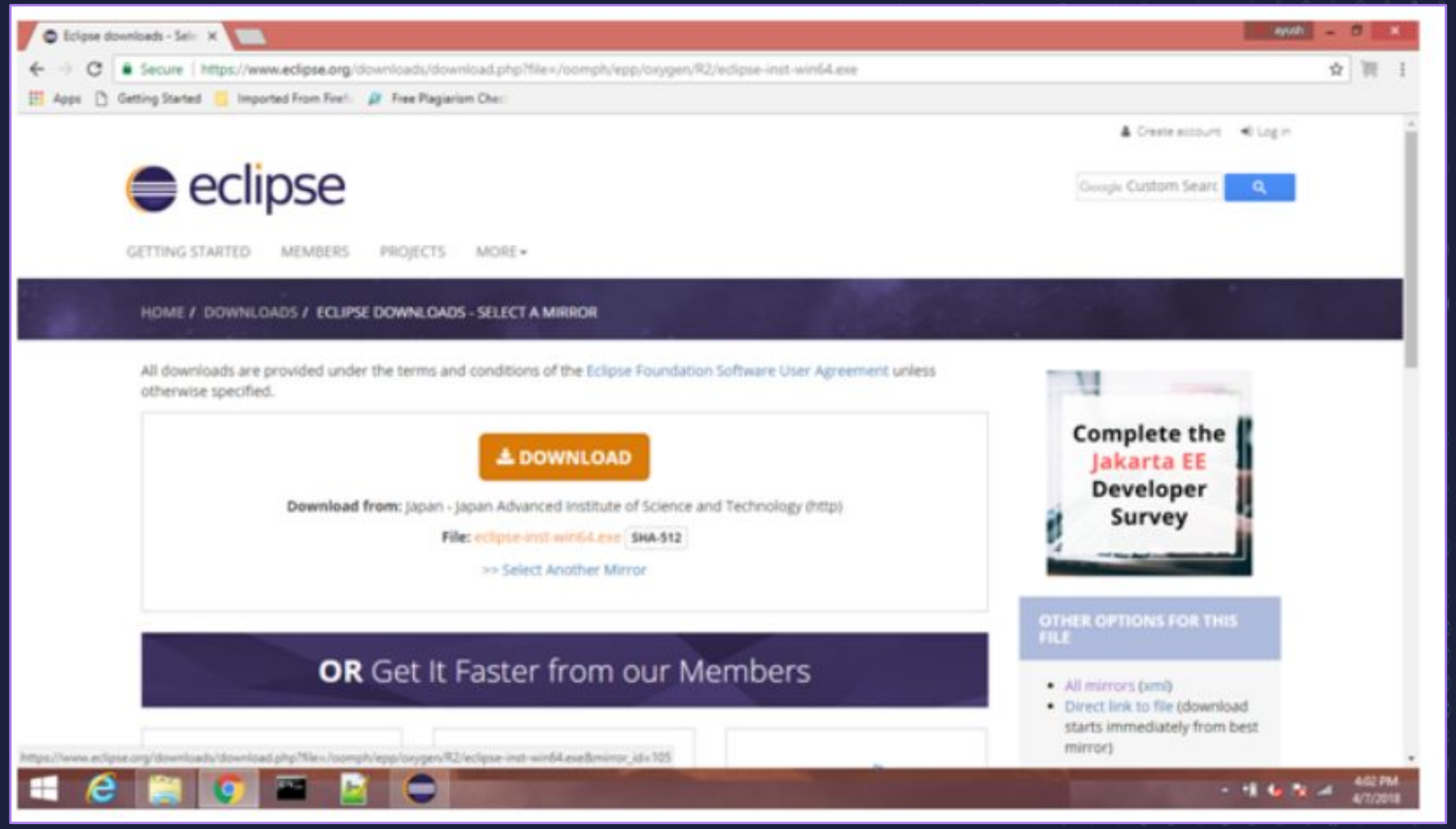
Promoted Download
Runtime Platforms
Eclipse Jetty provides a web server and javax.servlet
equinox
Eclipse Equinox is an implementation of the OSGi
concierge
Eclipse Concierge is a small footprint implementation of the OSGi specification.
RAP
Enabling modular business apps for desktop, browser and mobile.
4:02 PM
4/7/2018


Eclipse downloads - Sele
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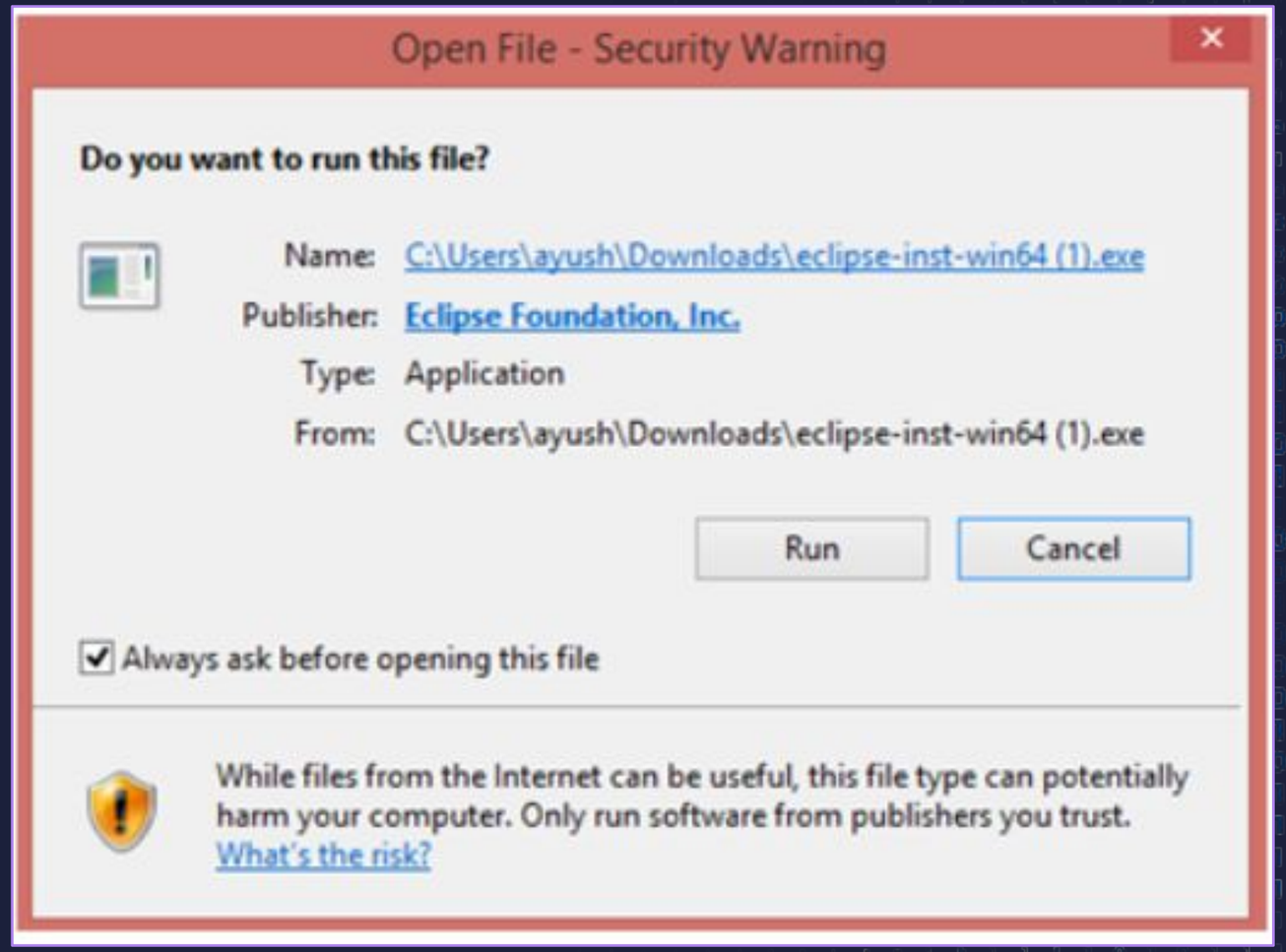
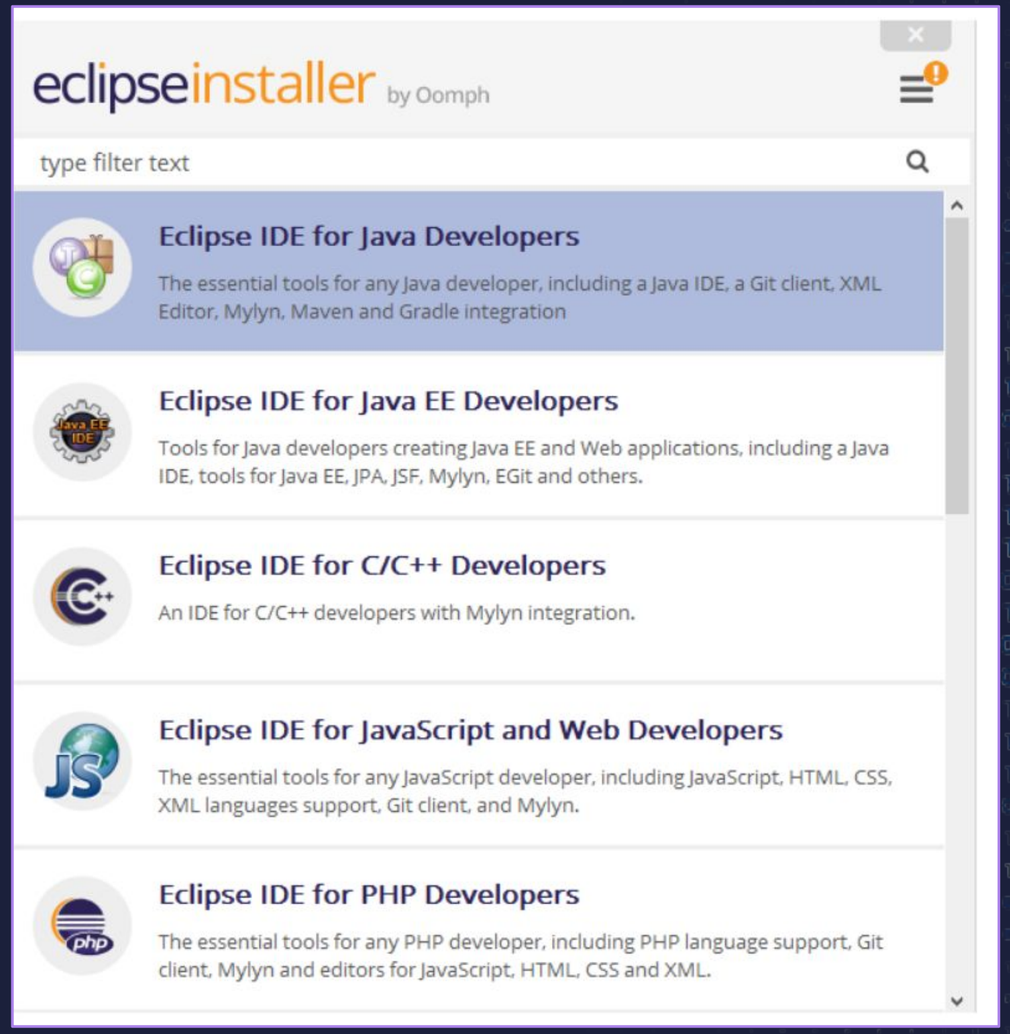
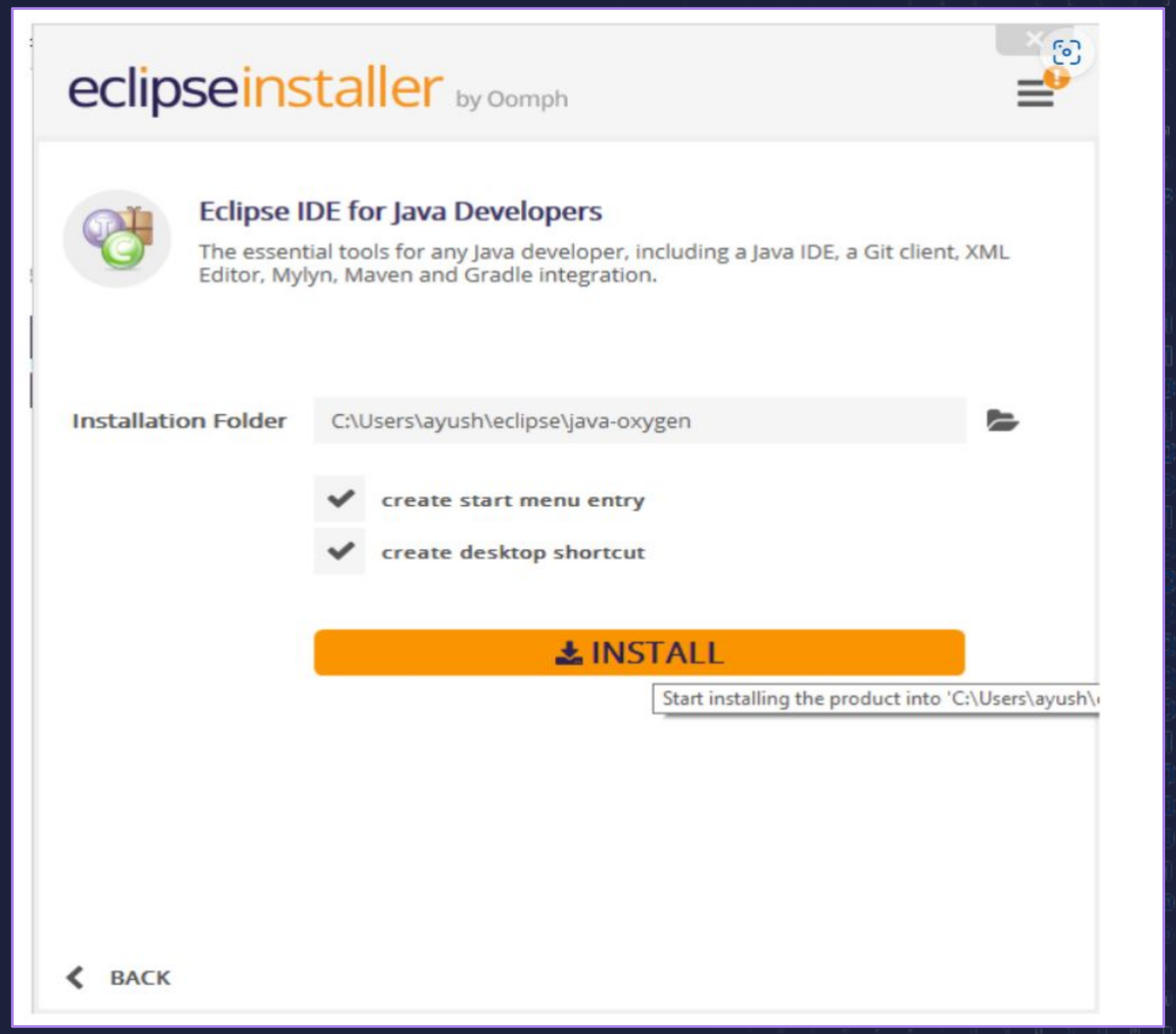
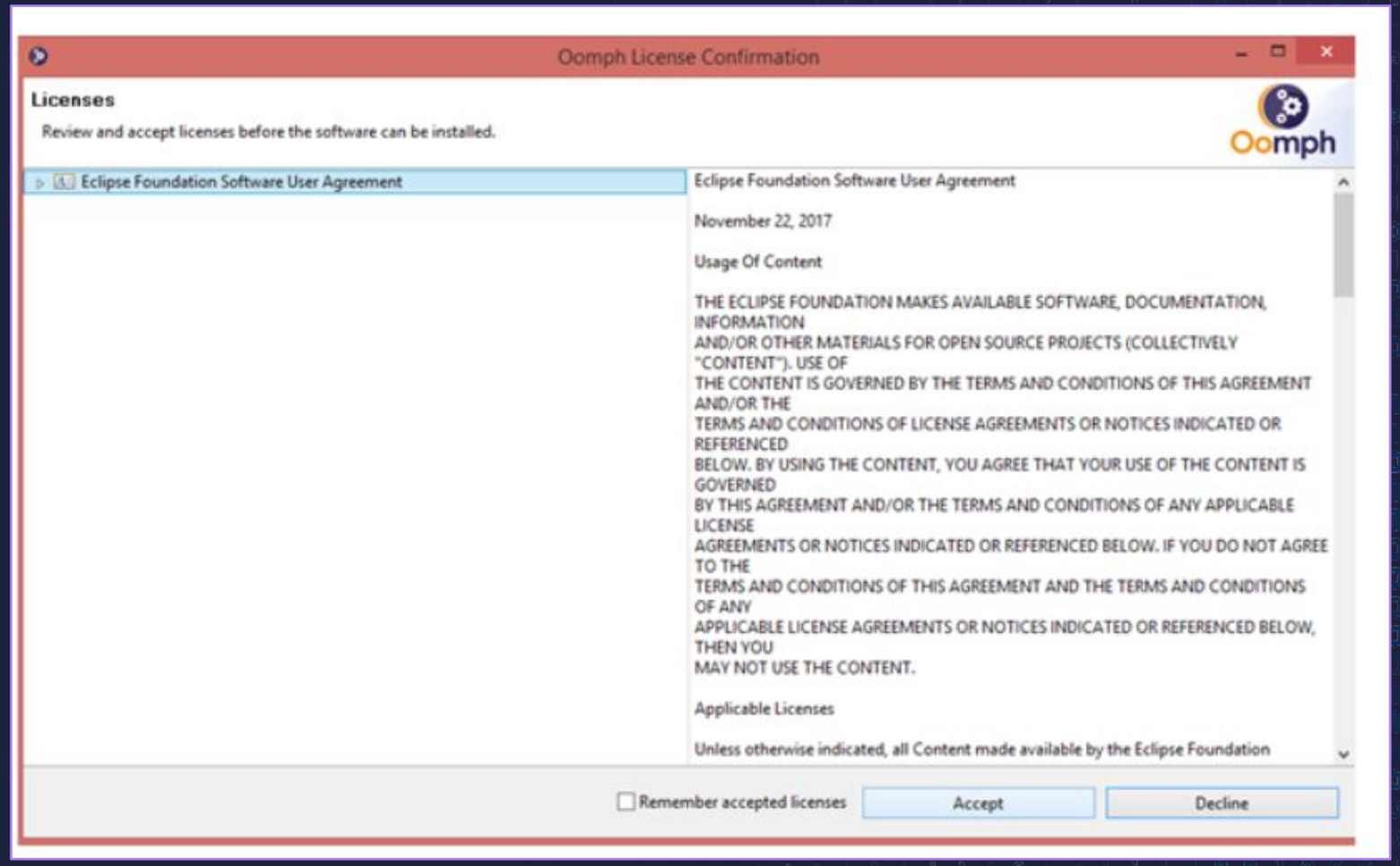

Open File - Security Warning
Do you want to run this file?
Name: C:\Users\ayush\Downloads\eclipse-inst-win64 (1).exe
Publisher: Eclipse Foundation, Inc.
Type: Application
From: C:\Users\ayush\Downloads\eclipse-inst-win64 (1).exe
Run
Cancel
Always ask before opening this file
While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust.
What's the risk?


eclipseinstaller by Oomph
type filter text
Eclipse IDE for Java Developers
The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, Maven and Gradle integration
Eclipse IDE for Java EE Developers
Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE, JPA, JSF, Mylyn, EGit and others.
Eclipse IDE for C/C++ Developers
An IDE for C/C++ developers with Mylyn integration.
Eclipse IDE for JavaScript and Web Developers
The essential tools for any JavaScript developer, including JavaScript, HTML, CSS, XML languages support, Git client, and Mylyn.
Eclipse IDE for PHP Developers
The essential tools for any PHP developer, including PHP language support, Git client, Mylyn and editors for JavaScript, HTML, CSS and XML.


eclipseinstaller by Oomph
Eclipse IDE for Java Developers
The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, Maven and Gradle integration.
Installation Folder
C:\Users\ayush\eclipse\java-oxygen
create start menu entry
create desktop shortcut
INSTALL
Start installing the product into 'C:\Users\ayush\
BACK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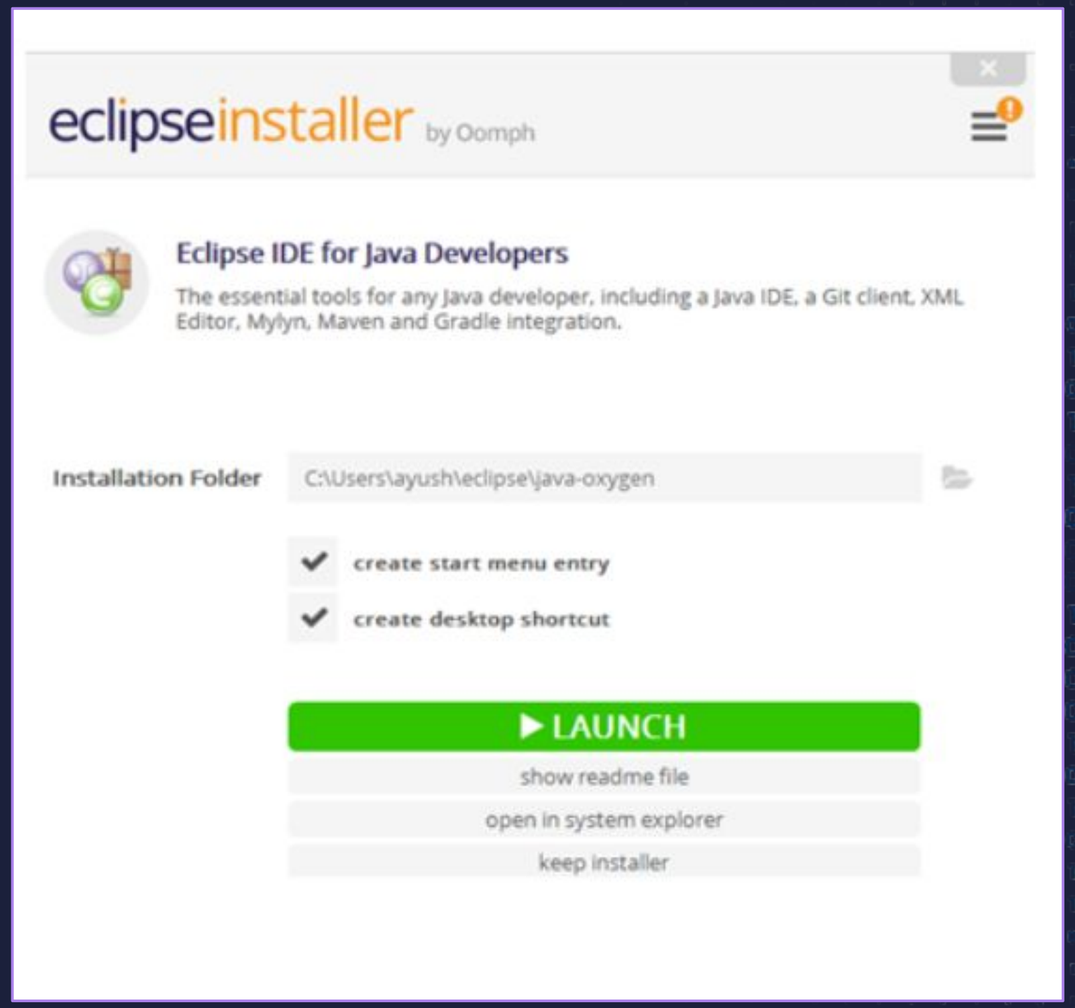
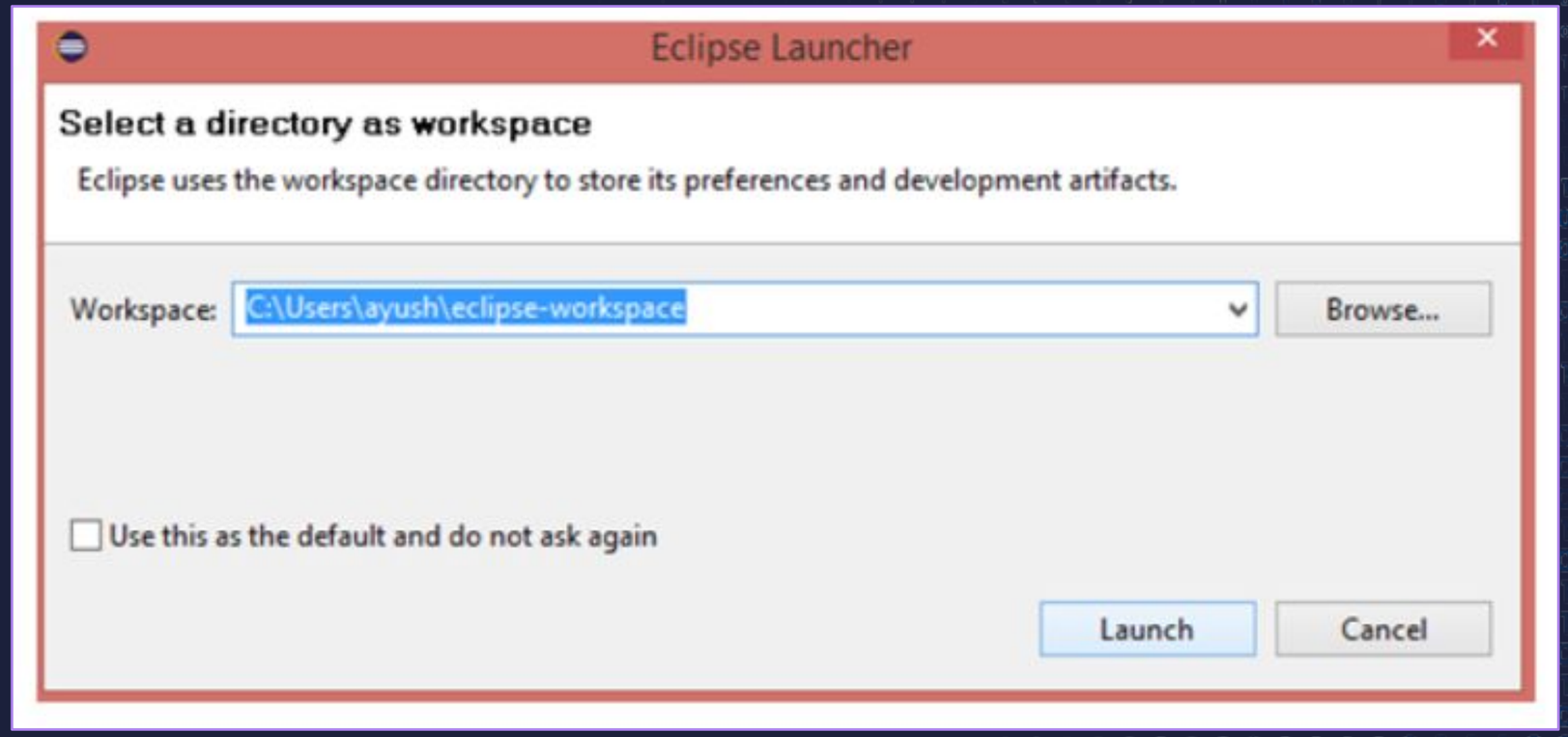
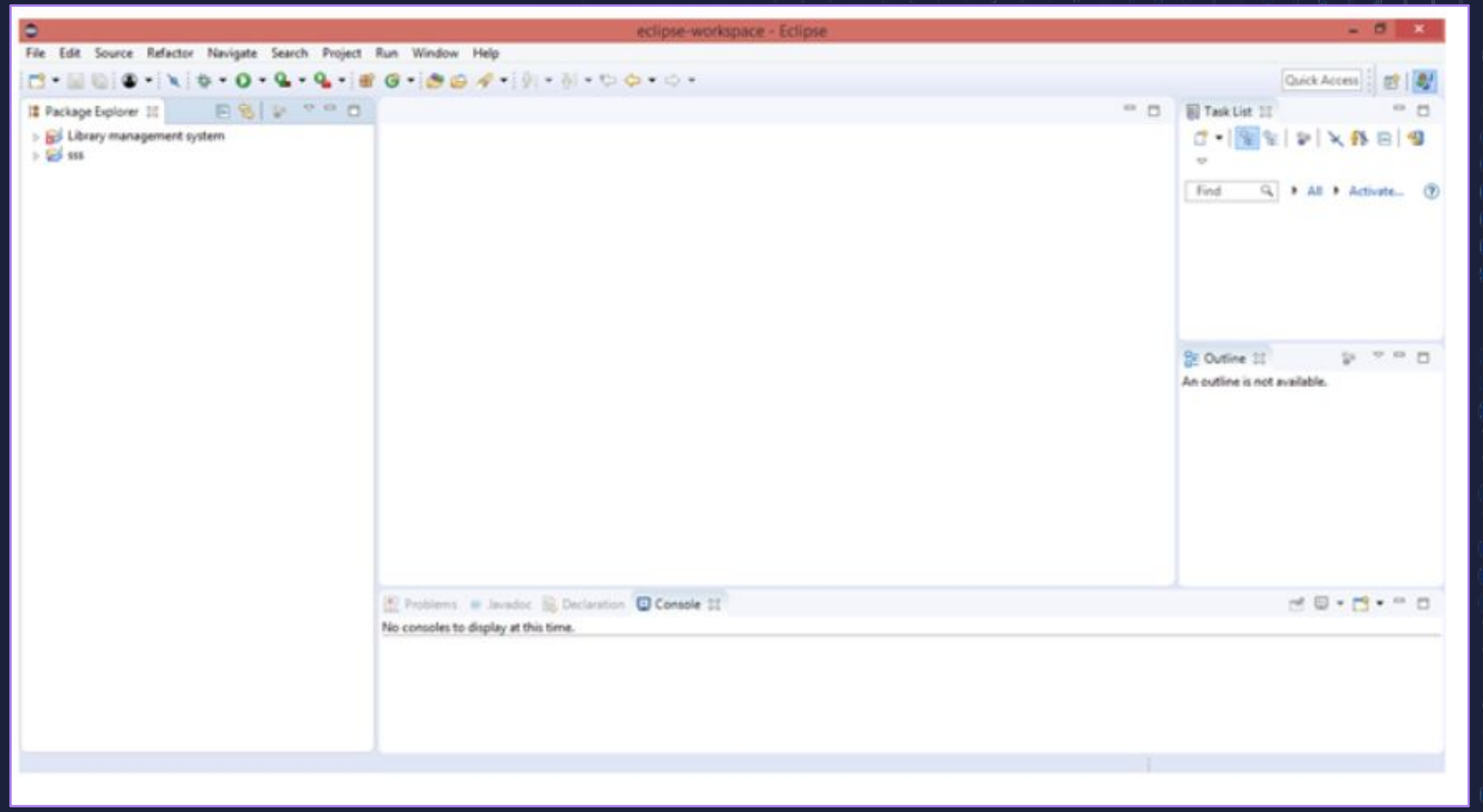

eclipseinstaller by Oomph
Eclipse IDE for Java Developers
The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, Maven and Gradle integration.
Installation Folder
C:\Users\ayush\eclipse\java-oxygen
create start menu entry
create desktop shortcut
LAUNCH
show readme file
open in system explorer
keep installer


Eclipse Launcher
Select a directory as workspace
Eclipse uses the workspace directory to store its preferences and development artifacts.
Workspace:
C:\Users\ayush\eclipse-workspace
Browse...
Use this as the default and do not ask again
Launch
Cancel


eclipse-workspace - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Package Explorer
Library management system
sss
Task List
Find
All
Activate...
Outline
An outline is not available.
Problems
Javadoc
Declaration
Console
No consoles to display at this time.

Download and Install Visual Studio Code

Visual Studio Code is free and available on your favorite platform - Linux, macOS, and Windows.

Installing Visual Studio Code on Windows

Visit the official website of the https://code.visualstudio.com/ using any web browser like Google Chrome, Microsoft Edge, etc.

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

Windows
Windows 7, 8, 10, 11

User Installer 64 bit 32 bit ARM
System Installer 64 bit 32 bit ARM
.zip 64 bit 32 bit ARM

.deb
Debian, Ubuntu

.rpm
Red Hat, Fedora, SUSE

.deb 64 bit ARM ARM 64
.rpm 64 bit ARM ARM 64
.tar.gz 64 bit ARM ARM 64

Snap Store

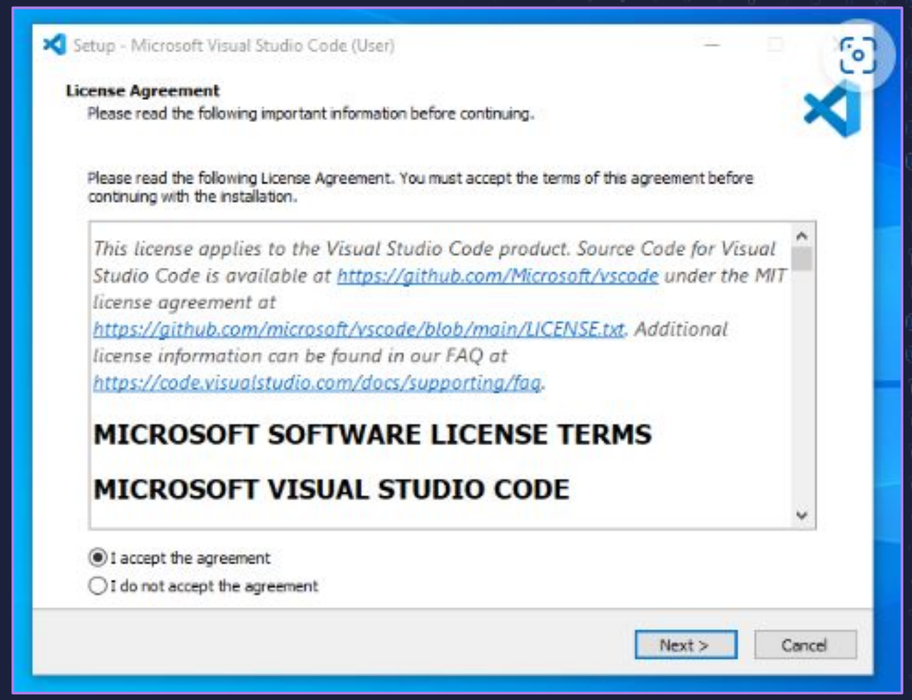
Mac
macOS 10.11+

.zip Universal Intel Chip Apple Silicon

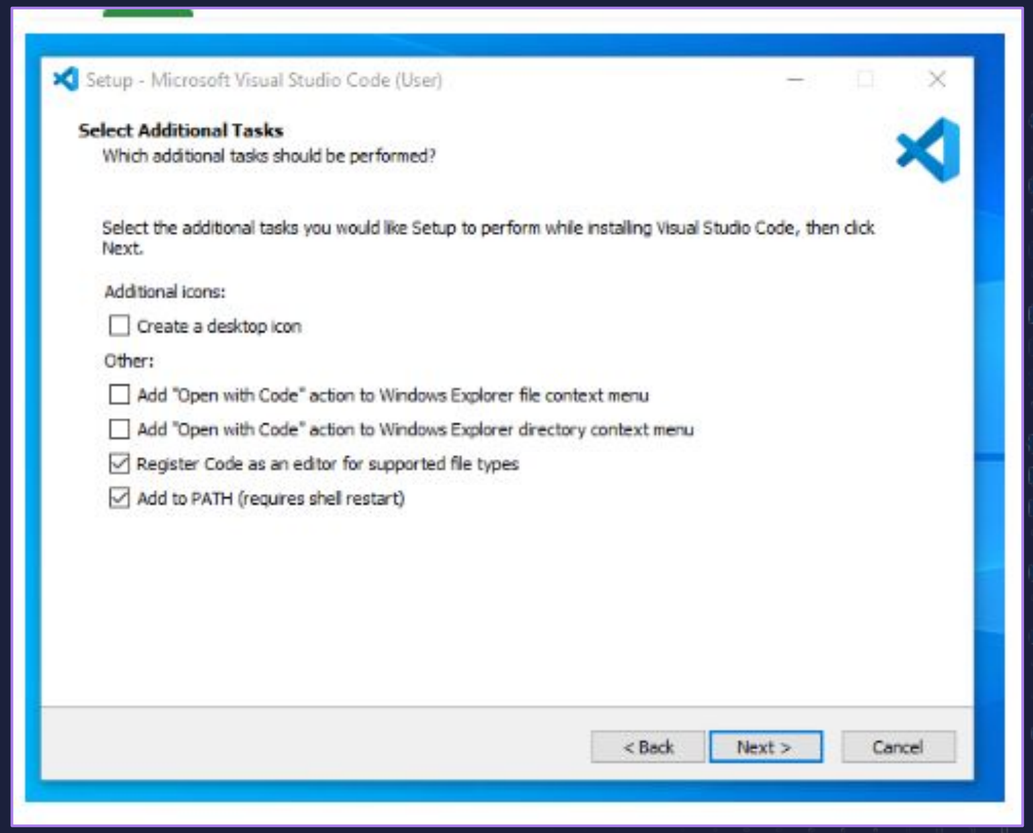
When the download finishes, then the Visual Studio Code icon appears in the downloads folder.

- Click on the installer icon to start the installation process of the Visual Studio Code.

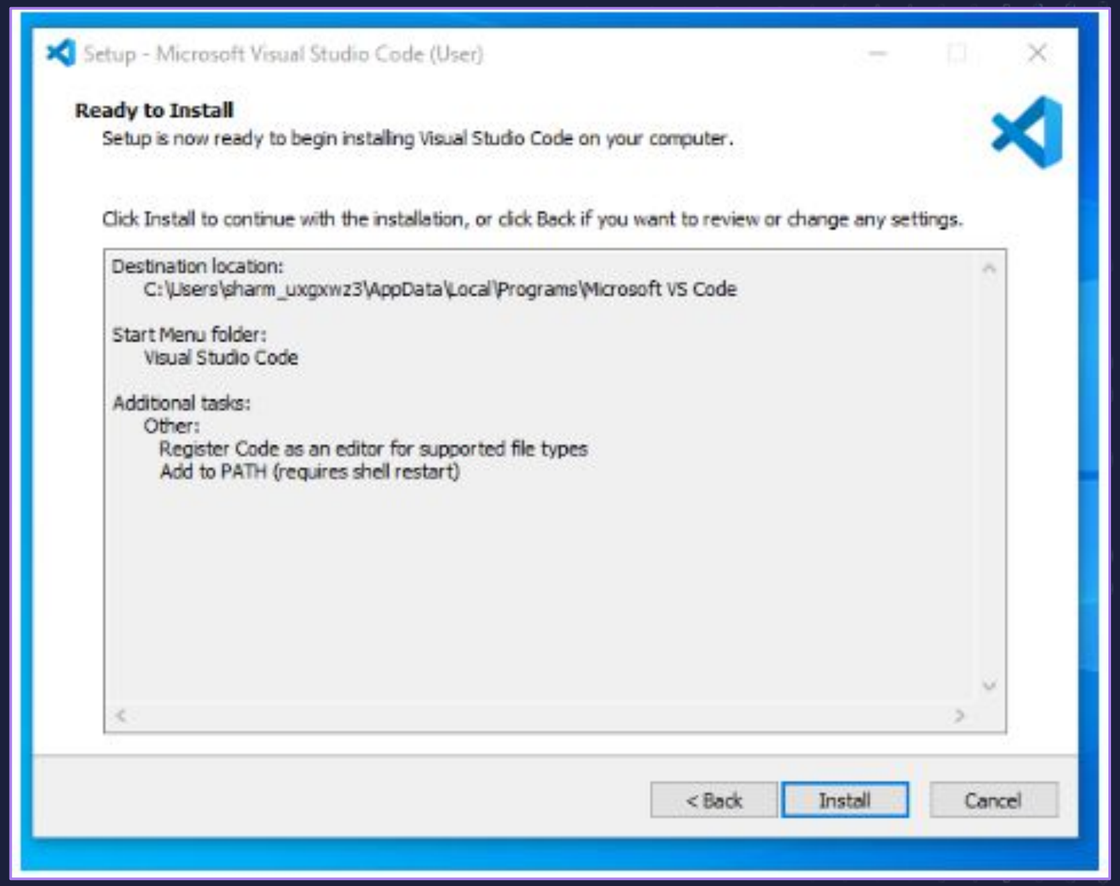
- After the Installer opens, it will ask you for accepting the terms and conditions of the Visual Studio Code. Click on I accept the agreement and then click the Next button.



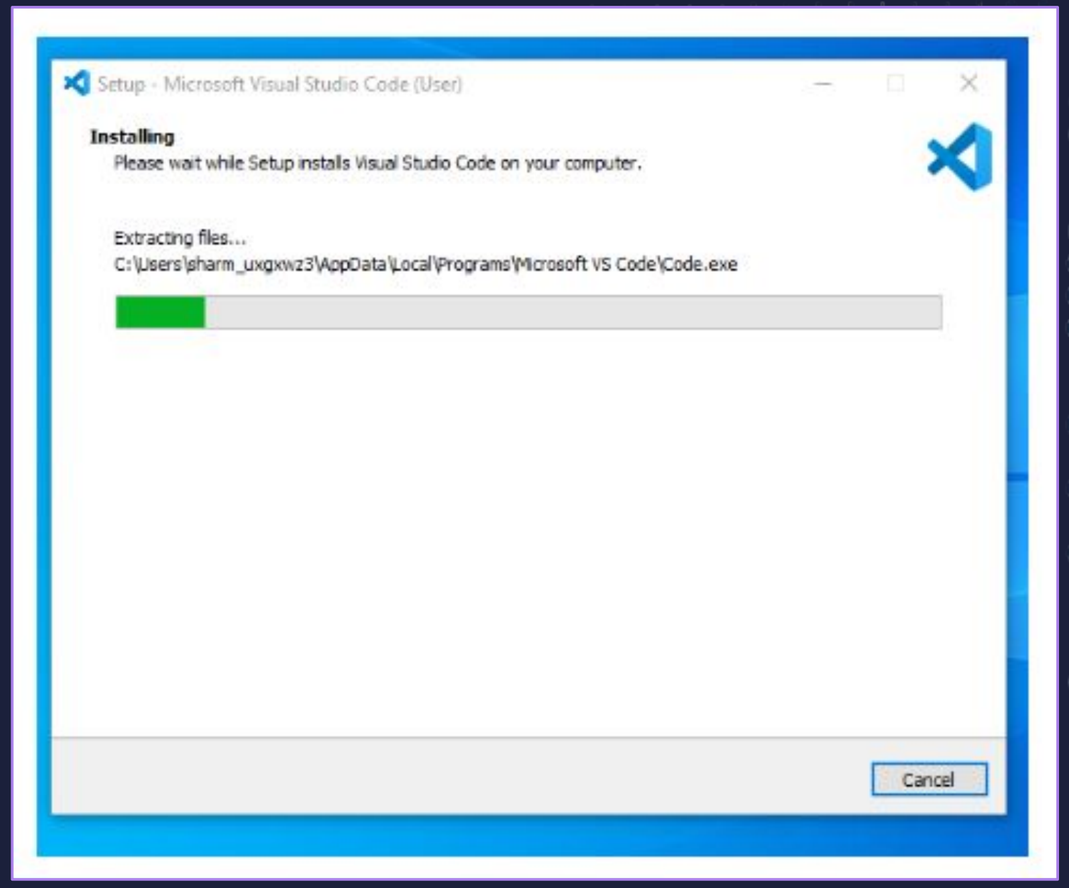
- Choose the location data for running the Visual Studio Code. It will then ask you for browsing the location. Then click on **Next** button.



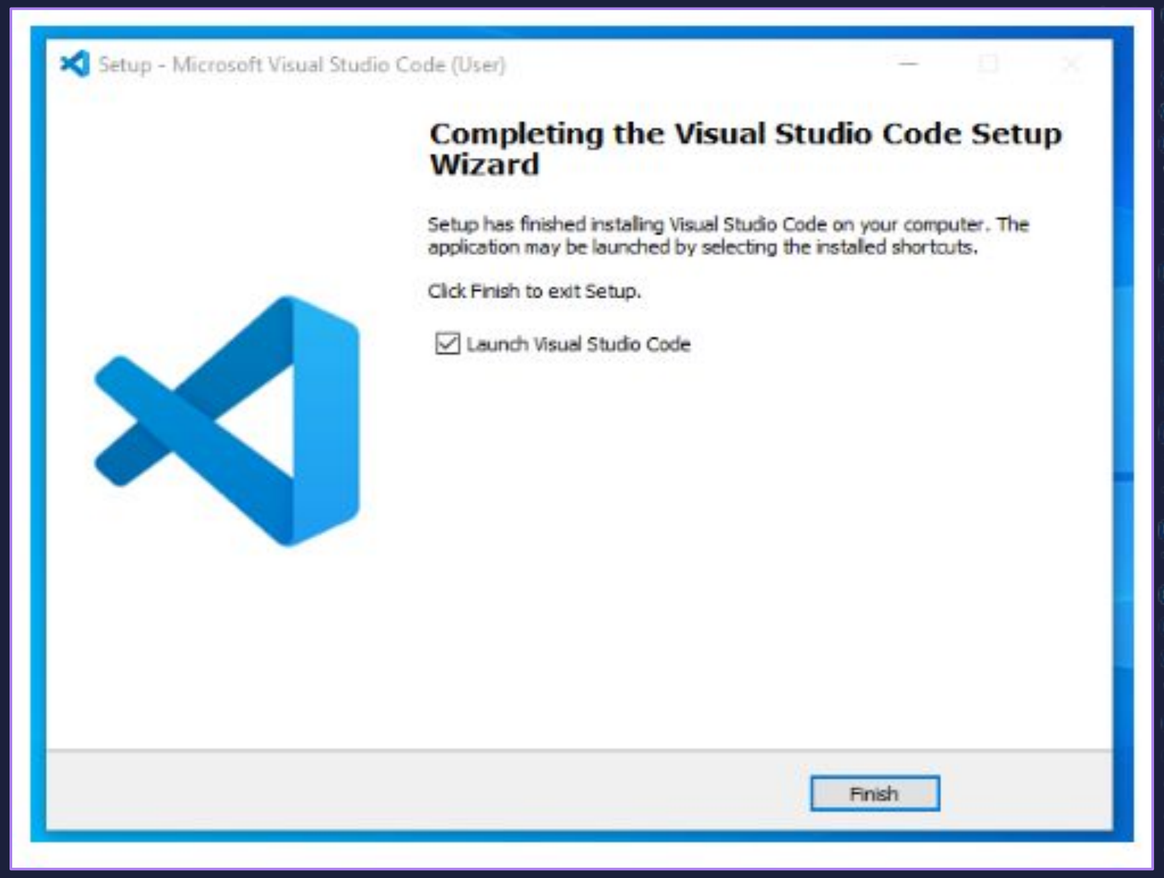
- Then it will ask for beginning the installing setup. Click on the **Install** button.



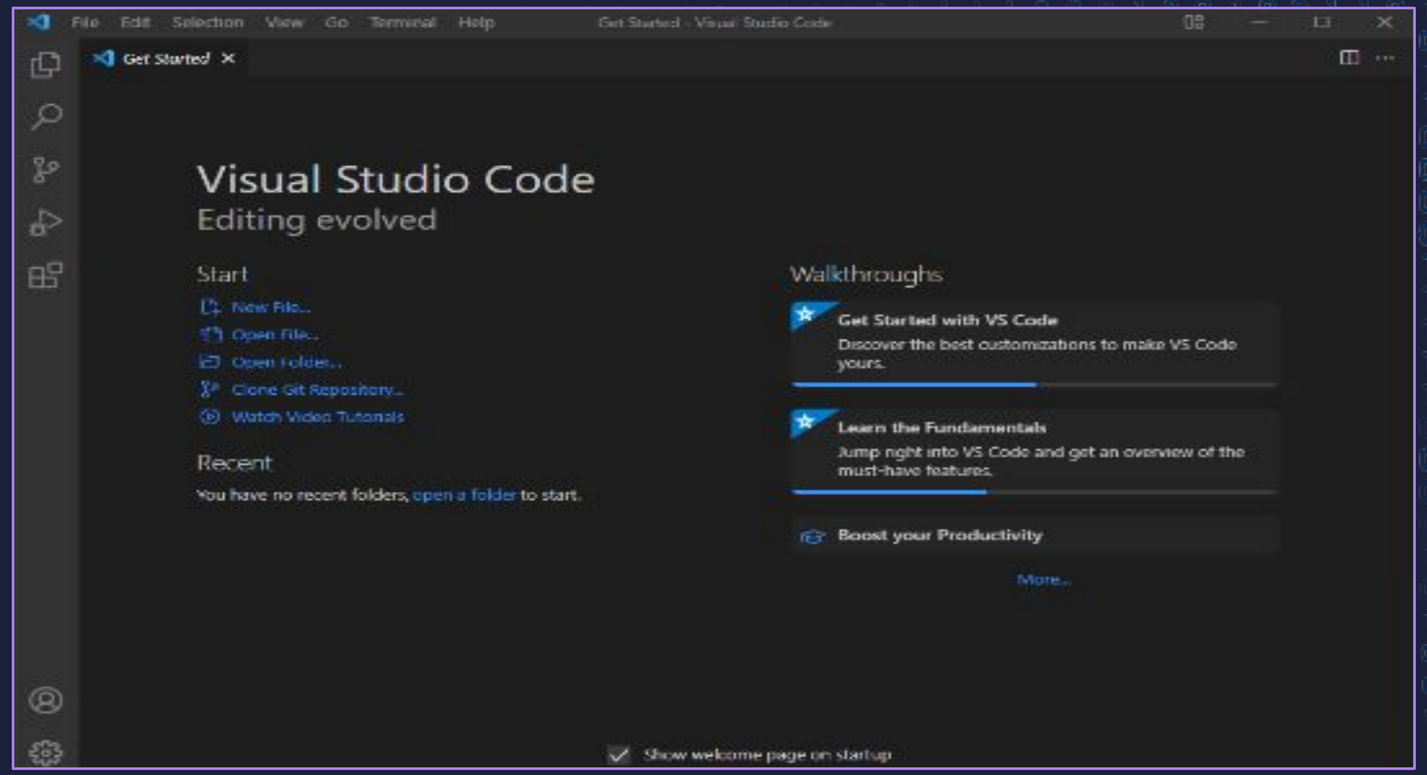
- After clicking on Install, it will take about 1 minute to install the Visual Studio Code on your device.



- After the Installation setup for Visual Studio Code is finished, it will show a window like this below. Tick the **"Launch Visual Studio Code"** checkbox and then click **Next.**

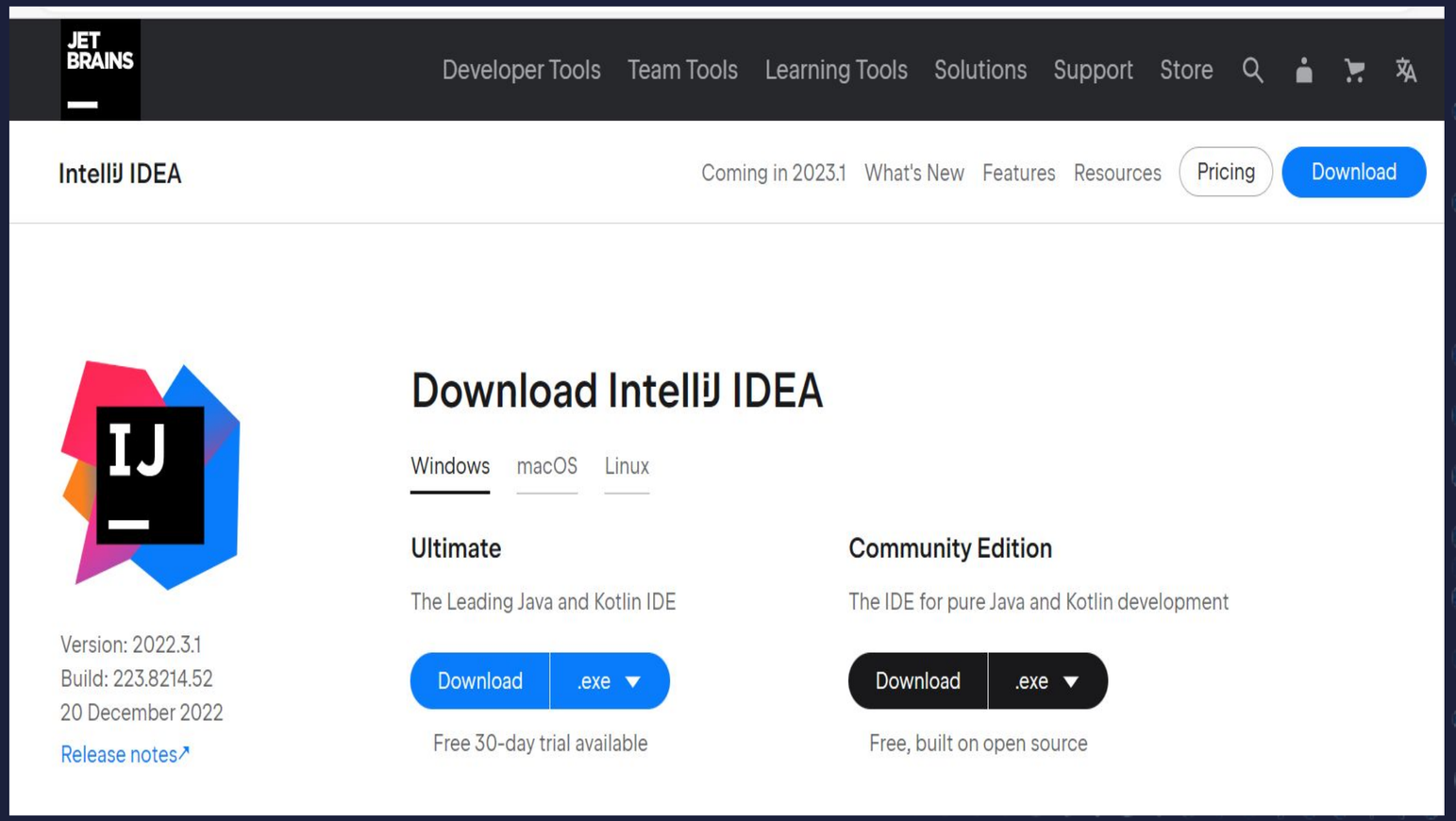


- After the previous step, the **Visual Studio Code window** opens successfully. Now you can create a new file in the Visual Studio Code window and choose a language of yours to begin your programming journey!
- So this is how we successfully installed **Visual Studio Code** on our Windows system.



Download and Install IntelliJ

Download from here Download IntelliJ IDEA: The Capable & Ergonomic Java IDE by JetBrains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IntelliJ IDEA
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What's New
Features
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20 December 2022
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Next Lecture

- Fundamentals of Java

PW SKILLS

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