

# NetBeans IDE

COMM 2312 Technical and Professional Communication  
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Assignment# 3: Career-Specific Manual

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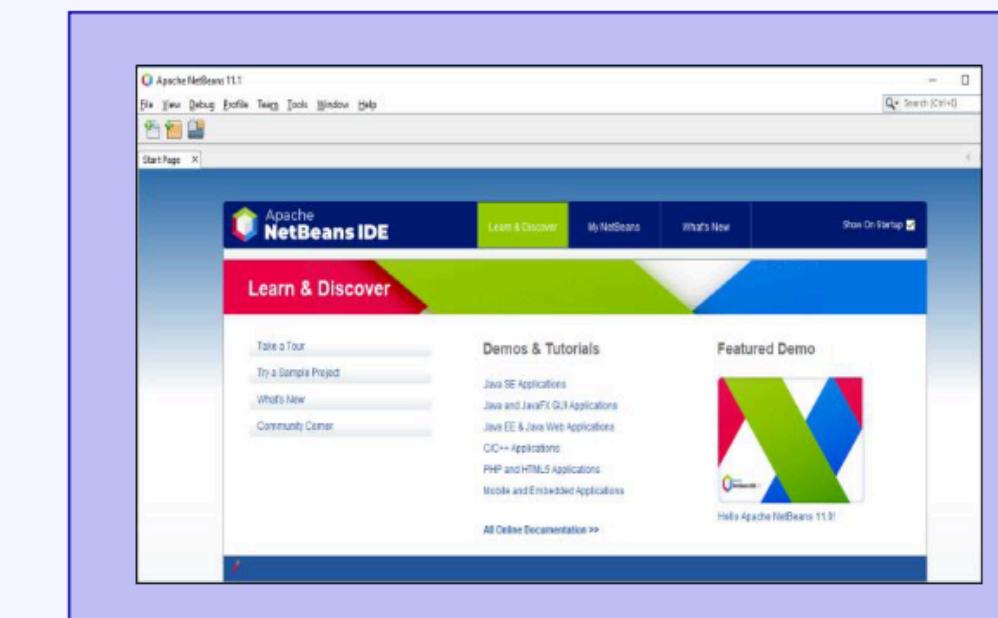
**Apache NetBeans IDE**

# INTRODUCTION

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## ❖ DEFINITION

NetBeans IDE is an integrated development environment (IDE) designed to be open source, simplified, and free that aids in creating desktop, online, and mobile apps. Applications developed in Java, HTML5, PHP, and C++ can be supported with the IDE.



## ❖ BENEFITS

- Cost-cutting, speed, and excellent performance
- Simple to use, maintain, and install
- Multiple programming languages are supported via plugins
- Ideal setting for web development and Java
- Easy-to-use and intuitive UI
- Dependable and steady application design
- Rapid evolution of user interfaces
- Draft error-free code.



## ❖ PURPOSE

- The purpose of NetBeans is to make coding accessible to users and enable them to develop more efficiently, even while using sophisticated programming languages. NetBeans strives to make coding enjoyable and simple by providing an extensive collection of tools including code completion, intelligent tips, error checking, and syntax highlighting.

## ❖ OPERATION

- You can develop applications in Java, PHP, and many other languages with the help of editors, wizards, and templates offered by Apache NetBeans. Any operating system that supports Java, such as Windows, Linux, Mac OS X, and BSD, can be used to install Apache NetBeans. Write Once, Run Anywhere also holds true for NetBeans.

## warnings, cautions, dangers

1. System Requirements: Make sure your computer meets the system requirements for NetBeans.
2. Official Website: Download NetBeans from the official website (<https://netbeans.apache.org/>).
3. Updates: Regularly check for updates and patches to keep your NetBeans installation up-to-date and secure.
4. security Software: Some security software may flag NetBeans or its components as potential threats. You might need to configure your security software to trust NetBeans.
5. Firewall: Ensure your firewall settings allow NetBeans to access the internet if you plan to use features that require online access.



02

## LIST OF STEPS

# ❖ List of Steps To Follow

## First major step is: Download Java Development Kit (JDK)

### Definition:

Download means installing the necessary software files.

### Procedure:

1. Visit the official Oracle JDK download page <https://www.oracle.com/java/technologies/javase-downloads.html>.
2. Select “Windows” and download the .exe (executable) file

### Purpose:

To download the latest version of JDK which is JDK 21.0.1

### Materials needed:

Computer and internet connection

Product/file description	File size	Download
x64 Compressed Archive	195.39 MB	<a href="https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.zip (sha256)">https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.zip (sha256)</a>
x64 Installer	163.82 MB	<a href="https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.exe (sha256)">https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.exe (sha256)</a>
x64 MSI Installer	162.60 MB	<a href="https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.msi (sha256)">https://download.oracle.com/java/21/latest/jdk-21_windows-x64_bin.msi (sha256)</a>

## Second major step is: Setup JDK by running the installer

### Definition:

Setup means to prepare a software application for use on a computer.

### Procedure:

1. Open File Explorer and go to the file where JDK was downloaded
2. Double-click on the exe file to start the setup
3. Press “next” on each window that appears during installation then “close” and pay attention to the folder to which the JDK is being installed.

### Purpose:

To use java applications on your Computer.

### Materials needed:

Computer and internet connection

**1.**

Welcome to the Installation Wizard for Java SE Development Kit 21.0.1.

This wizard will guide you through the installation process for the Java SE Development Kit 21.0.1.

Next > Cancel

**2.**

This will install the Java(TM) SE Development Kit 21.0.1 (64-bit), which requires 420MB on your hard drive. Click the "Change" button to change the installation folder.

Install Java(TM) SE Development Kit 21.0.1 (64-bit) to: C:\Program Files\Java\jdk-21

Change... Back Next Cancel Close

**3.**

Java(TM) SE Development Kit 21.0.1 (64-bit) Successfully Installed

Click Next Steps to access tutorials, API documentation, developer guides, release notes and more to help you get started with the JDK.

Next Steps Close

## Third major step is: Download NetBeans IDE

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### Definition:

Download means installing the necessary software files.

### Procedure:

1. Search NetBeans on browser and go to Apache NetBeans website or use the following link: <https://netbeans.apache.org/front/main/>
2. Press download under Apache NetBeans 19
3. Select the windows .exe (executable) file in order to start the download

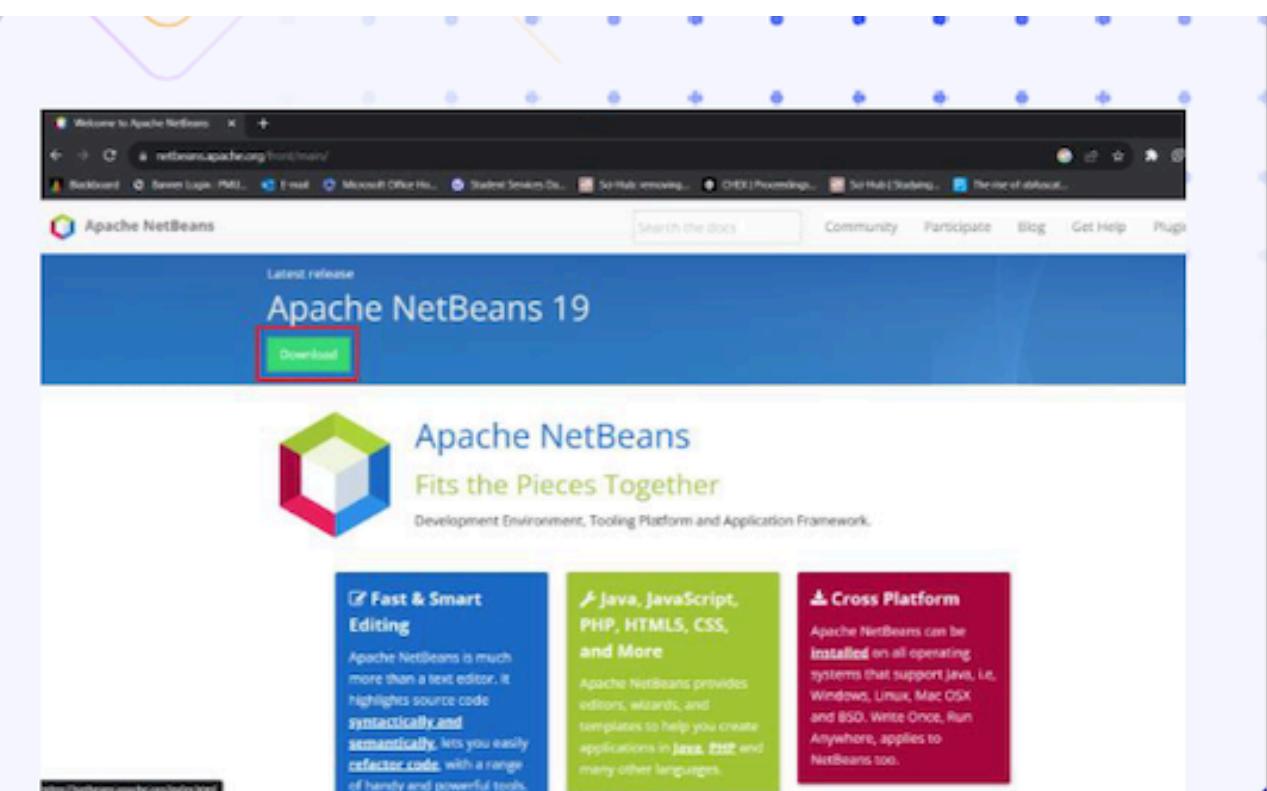
### Purpose:

To download the latest version of NetBeans which is NetBeans-19

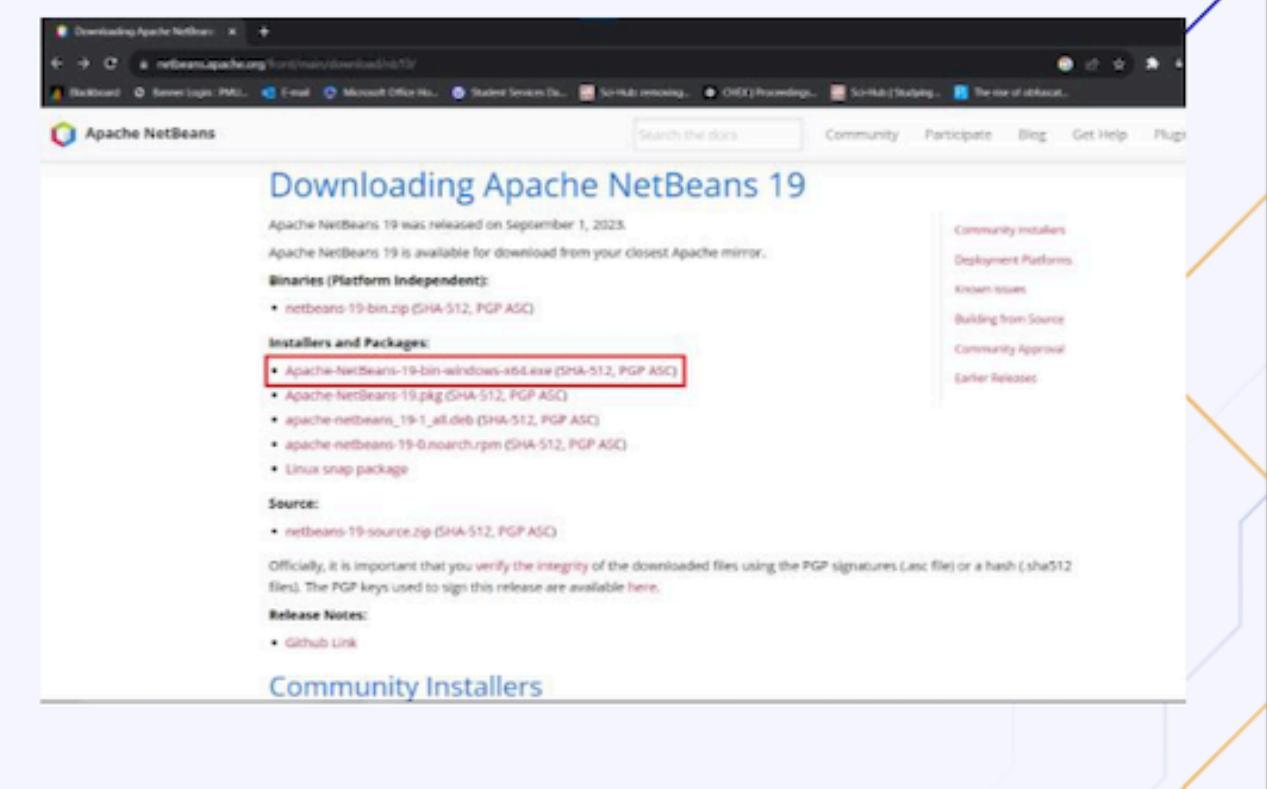
### Materials needed:

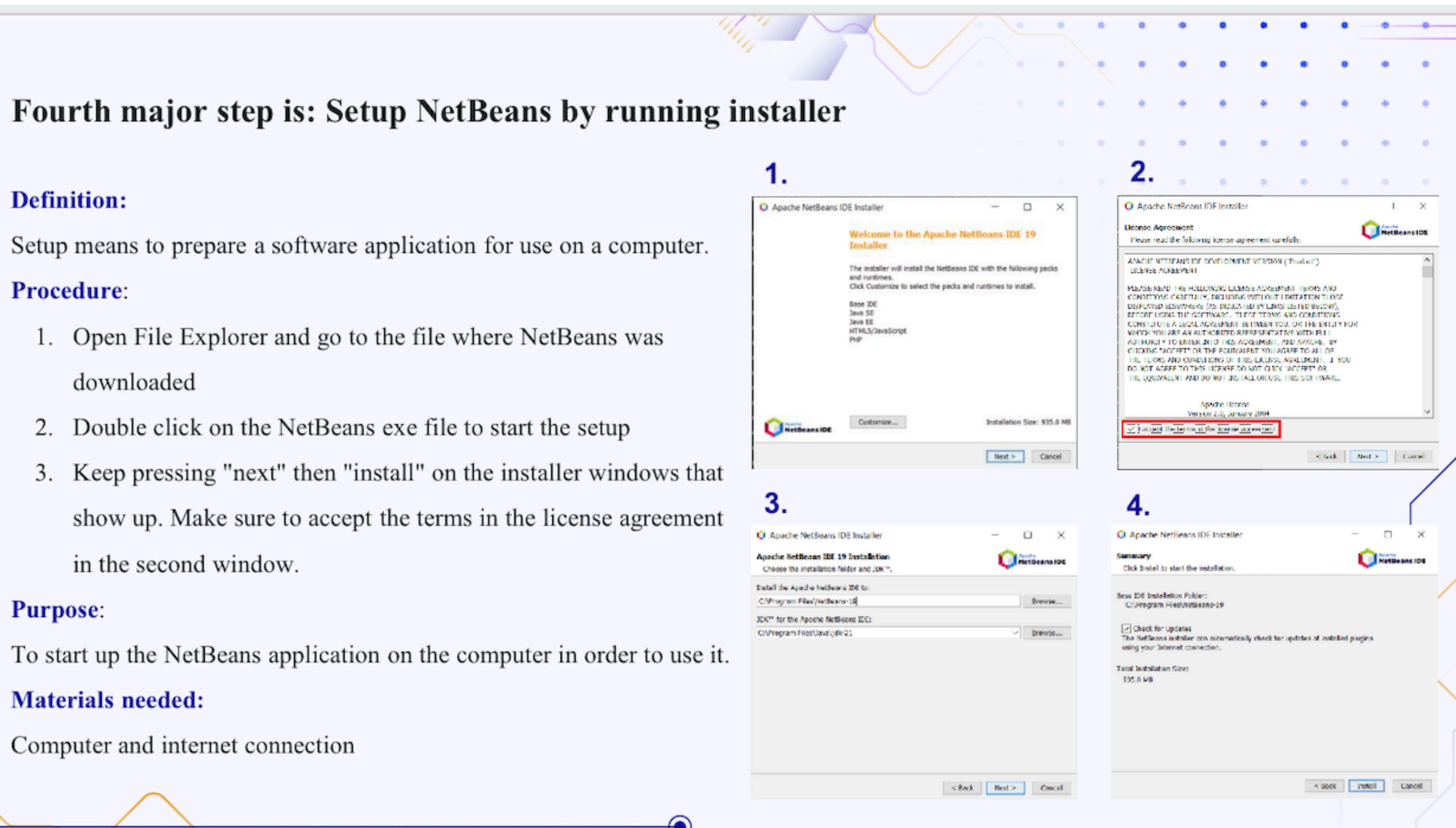
Computer and internet connection

1.



2.





## Fifth major step is: Create a NetBeans shortcut onto your Desktop

### Definition:

A shortcut is an icon on the desktop that provides quick access to the application.

### Procedure:

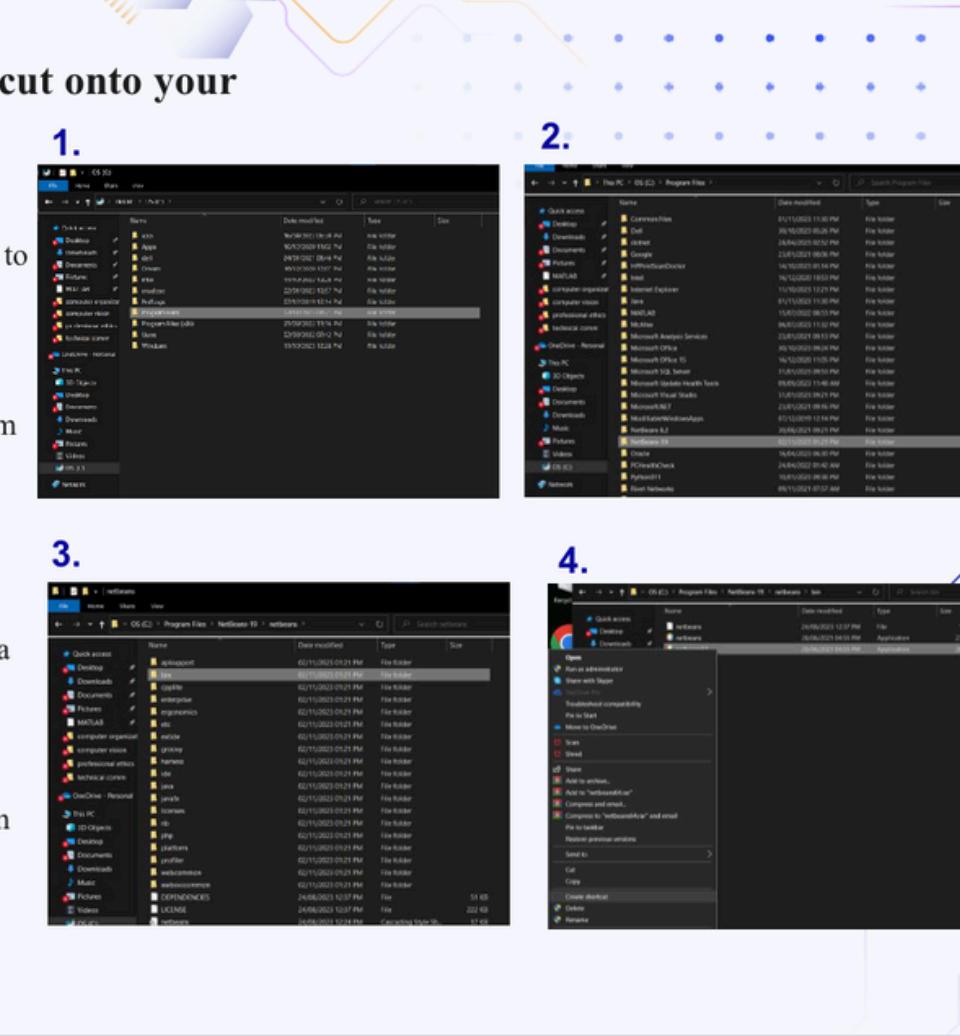
1. Open File Explorer to go to C drive and open the Program Files folder
2. Open the NetBeans-19 folder then the "netbeans" folder then go to "bin"
3. Right click on the netbeans64 executable file and create a shortcut to the desktop

### Purpose:

To have quick and convenient access to NetBeans directly from the desktop instead of going to File Explorer.

### Materials needed:

Computer and NetBeans application



## Sixth major step is: Create a new Java project

### Definition:

Creating a new Java project means setting up a Java development environment to organize program files.

### Procedure:

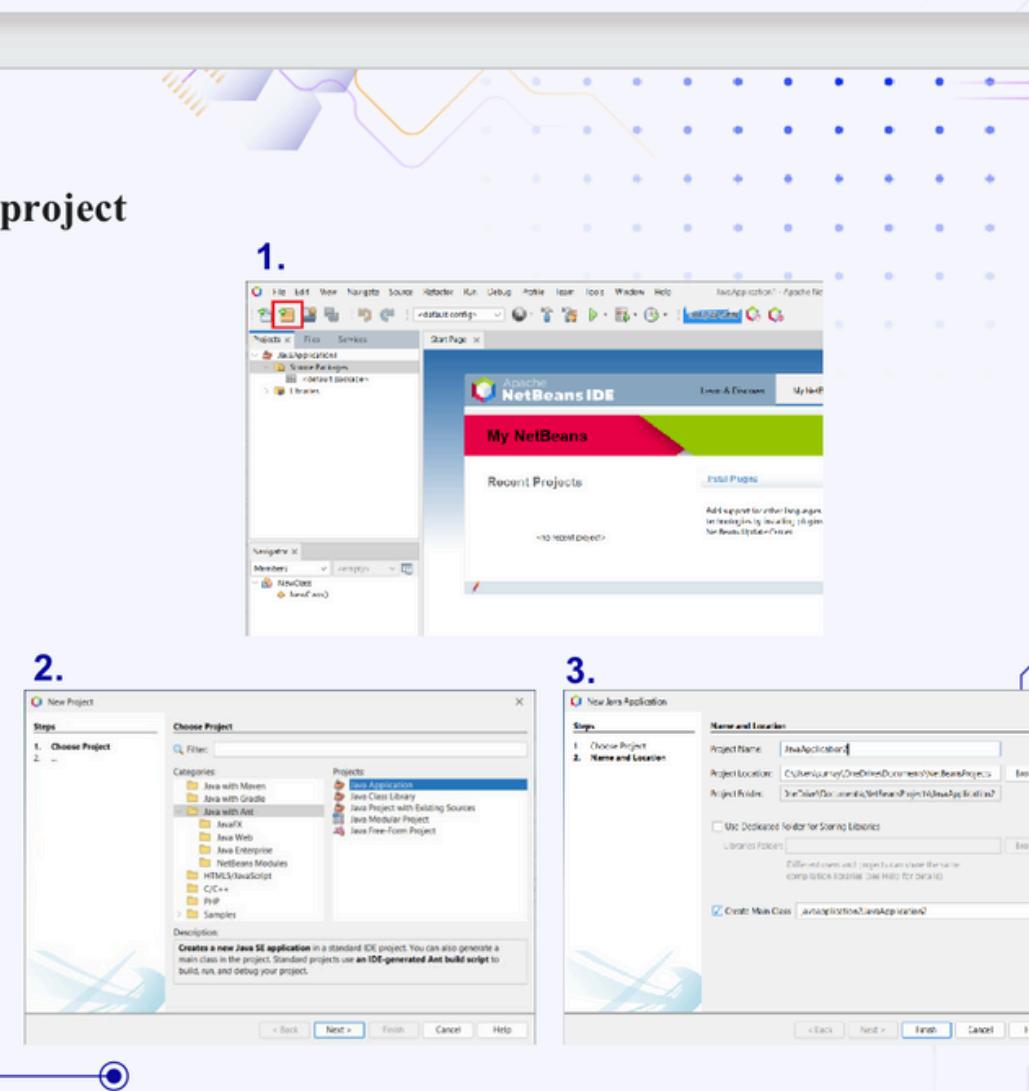
1. Open NetBeans by double clicking the shortcut created previously
2. Press on the folder icon in the top left corner
3. Select "Java Application"
4. Rename the folder and press finish

### Purpose:

Projects need to be created in order to create files for coding.

### Materials needed:

Computer and NetBeans application



## U3

# CONCLUSION

## Review of Major Steps:

1. Install Java Development Kit (JDK)
2. Set up Java by running the installer
3. Install NetBeans IDE
4. Set up NetBeans by running the installer
5. Create a NetBeans shortcut onto your Desktop
6. Create a new Java project so it can be ready to use



# Warnings

The ~~general warnings are:~~ Assign 3 Career- Specific Manual Sample.pdf



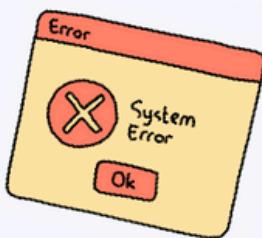
- Make sure to not install the wrong versions of Java or NetBeans for your device type
- Ensure to set up your device to allow installing NetBeans
- Always check for updates and keep up with the latest versions of NetBeans



# Troubleshooting

**What happens if you install NetBeans without installing Java?**

- 1- You will not be able to use NetBeans for Java Programming.
- 2- It will show an error and you won't be able to run codes.



**What to do when you install a Java version that NetBeans does not support?**

To solve this problem you have to check for the version of Java that is supported by the version of NetBeans you have.

Our recommendation for you is to install the latest version of both NetBeans and Java by going through the steps we provided you with.