1 The procedure to install Java on Linux OS

1.1 The procedure to install Java and NetBeans

1. Go to the website
   http://www.oracle.com/technetwork/java/javase/downloads/index.html.

2. Click on Download button below `NetBeans` icon.

3. The page will direct to the `NetBeans Download` page.

4. Click on the `Accept License Agreement` radio button to download this software.

5. Download the NetBeans Linux installer (.sh) based on your system requirement.
   Example:
   For Linux 32bit : `Linux x86 - jdk-7u40-nb-7.3.1-linux-i586.sh`
   For Linux 64bit : `Linux x64 - jdk-7u40-nb-7.3.1-linux-x64.sh`

6. Open the terminal by pressing `Ctrl + Alt + T` keys together.

7. Now in the terminal type `cd Downloads` and hit `Enter`.

8. Now type, `sh downloaded file name.sh` and hit `Enter`.
   Example : `sh jdk-7u40-nb-7.3.1-linux-i586.sh` and hit `Enter`.

9. Follow all the instructions to install `JDK and NetBeans`.

10. Once the installation is completed successfully, you can start using `java and NetBeans IDE`.

1.2 The procedure to install Eclipse

1. Open the terminal by pressing `Ctrl + Alt + T` keys together

2. Now in the terminal type `sudo apt-get install eclipse` and press `Enter`.

3. Enter the system password if required.

4. It will display how much has to be downloaded from the internet and how much disk space will be occupied.

5. Press `y` to confirm this.

6. Once the installation is completed successfully, you can open `Eclipse`.

2 The procedure to install Netbeans on Windows OS

2.1 Install Java- JDK

1. To Download Java JDK: Visit the Oracle JDK download page or the AdoptOpenJDK page.

2. Select the version of JDK you prefer LTS versions like JDK 11 are recommended and download the Windows installer usually `exe`.

2.2 Install Java JDK

1. Run the downloaded installer file.

2. Follow the installation instructions: click `Next`,choose the installation directory, and click `Install`.

3. After the installation completes, click `Finish`.

2.3 Set Java Environment Variables

1. Open the Start menu and search for `Environment Variables` and select `Edit the system environment variables`.

2. In the System Properties window, click on `Environment Variables`.

3. Under `System variables`, find and select the `Path` variable, then click `Edit`.

4. Click `New` and add the path to your JDK bin folder example `C:>Program Files>Java>jdk-11>bin`.

5. Click `OK` to close all windows.

2.4 Verify the Installation

1. Open Command Prompt and type `java -version` and `javac -version` to check if Java is installed correctly.

2.5 The procedure to install Netbeans on Windows OS

1. The procedure to install Netbeans on Windows OS.

2. To install Netbeans, Java should be already installed in your system.

3. For that you can refer to the Java installation sheet from Java tutorial on Spoken tutorial.

4. Go to the website `https://netbeans.apache.org/front/main/download/nb22/`

5. Click on Download button below NetBeans icon.

6. The page will redirect to exe, Choose the latest stable version available. Click on the download link.

7. Install NetBeans: Run the downloaded installer file.

8. Follow the installation steps, agreeing to the terms, and selecting the JDK path if prompted.

9. Choose the features you want to install (all default features are generally good) and click `NEXT`.

10. Complete the installation process by clicking `FINISH`.

11. Launch NetBeans:
    After installation, open NetBeans from the Start menu.

2.6 The procedure to install Eclipse

1. Go to website
   urlhttps://www.eclipse.org/downloads/packages/

2. You can see `Eclipse IDE for Java and DSL Developers`

3. Click on `Windowsx86-64-bit` link.

4. The page will direct to the Eclipse Download page.

5. Click on Download button to start the downlaod.

6. Extract the download `.zip file`.

7. You will see a folder named eclipse in the same folder where the zip file was saved.

8. Go to `My Computer>Local Disk(C:)>Program Files`

9. And paste the extracted eclipse folder into Program Files folder.

10. You will see an purple color eclipse icon with white horizontal stripes.

11. Right click on it and press `Send To>Desktop to create a Desktop Shortcut`.