**how to install JDK Java Development Kit and NetBeans**

Installing JDK (Java Development Kit)

**Step 1: Download JDK**

1. Open browser and search for java jdk download
2. Go to the official Oracle website and click on downloads at the top of the page.
3. Select "Java" from the dropdown menu and click on Java SE Downloads.
4. Choose the correct JDK version jdk-23\_windows-x64 and click on the download link for Windows operating system.
5. Download will begin.

**Step 2: Install JDK**

1. Once the download is complete, run the installer (e.g., jdk-23\_windows-x64\_bin.exe).
2. Follow the installation prompts, choosing the default installation location and settings.
3. Wait for the installation to complete.

**Installing NetBeans**

**Step 1: Download NetBeans**

1. Open browser and search for NetBeans download
2. Go to the official Apache NetBeans website and click on Download.
3. Choose the correct NetBeans version NetBeans 24 and click on the download link for Windows.
4. Select the NetBeans IDE installer and click on the download link.

**Step 2: Install NetBeans**

1. Once the download is complete, run the installer
2. Follow the installation prompts, choosing the default installation location and settings.
3. Wait for the installation to complete.

**Step 3: Launch NetBeans**

1. Once the installation is complete, launch NetBeans from the Start menu.
2. Choose the JDK installation you just created as the default Java platform.
3. Explore the NetBeans IDE and start creating your Java projects!

**Verifying the Installation**

1. Open a command prompt or terminal window.
2. Type java -version and press Enter to verify that the JDK is installed correctly.
3. Launch NetBeans and create a new Java project to verify that the IDE is working correctly.