

# Procedures for Installing Java Development Kit (JDK) and NetBeans

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## Step 1: Downloading and Installing the Java Development Kit (JDK)

1. **Visit the Oracle JDK Website:**
    - Go to <https://www.oracle.com/java/technologies/javase-downloads.html>.
  2. **Select the Appropriate Version:**
    - Choose the latest version of the JDK compatible with your operating system (Windows, macOS, or Linux).
  3. **Download the JDK Installer:**
    - Click on the download link for your operating system and accept the license agreement.
  4. **Install the JDK:**
    - Run the downloaded installer.
    - Follow the on-screen instructions to complete the installation.
    - Note the installation path (e.g., `C:\Program Files\Java\jdk-version`).
  5. **Set Environment Variables:**
    - Open the System Properties by right-clicking on "This PC" or "My Computer" and selecting "Properties."
    - Go to "Advanced System Settings" > "Environment Variables."
    - Under "System Variables," find the `Path` variable and click "Edit."
    - Add the `bin` directory of the JDK installation (e.g., `C:\Program Files\Java\jdk-version\bin`).
  6. **Verify Installation:**
    - Open a Command Prompt or Terminal.
    - Type `java -version` and `javac -version` to check if the installation was successful.
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## Step 2: Downloading and Installing NetBeans

**1. Visit the Apache NetBeans Website:**

- Navigate to <https://netbeans.apache.org/download/index.html>.

**2. Choose the Installer:**

- Select the version of NetBeans that includes support for Java.

**3. Download the Installer:**

- Click the download link for your operating system.

**4. Install NetBeans:**

- Run the downloaded installer.
- Follow the prompts to complete the installation.

**5. Launch NetBeans:**

- Open NetBeans and ensure it detects the installed JDK.
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