

## **Practical: Installation of Java on Unix/Linux Machine (Without VirtualBox)**

**This guide uses WSL (Windows Subsystem for Linux) to simulate a Linux environment directly on Windows.**

Step 1: Enable WSL

1. Open PowerShell as Administrator

2. Run the following command:

```
wsl --install
```

3. Restart your computer when prompted.

4. After restart, choose Ubuntu or install it from the Microsoft Store.

Step 2: Open Ubuntu (WSL)- Search for 'Ubuntu' in Start Menu and open it.- It will initialize and ask for a username and password.

Step 3: Update the Package List

Run the following command:

```
sudo apt update
```

Step 4: Install Java (OpenJDK 8 or 11)- For Java 8:

```
sudo apt install openjdk-8-jdk -y- For Java 11:
```

```
sudo apt install openjdk-11-jdk -y
```

Step 5: Verify Java Installation

Run:

```
java -version
```

Expected output:

```
openjdk version "1.8.0_xxx" ...
```

Step 6: Set JAVA\_HOME Environment Variable (Optional)

1. Open .bashrc file:

```
nano ~/.bashrc
```