

04.29Apr.Java Console App-CMD

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What is sudo Command?

What is pwd command?

Command cd ?

- Change Directory/Folder
- Examples:
 - \$ cd /
 - \$ cd PATH
 - \$ cd .. (go back to previous folder)
 - \$ cd ../.. (go back to previous folders)
 - ubuntu@nubeera:/\$ cd ~ (Current user home directory = ubuntu= /home/ubuntu)
 - Windows> cd %userprofile%

How to Create Linux User?

- # sudo adduser UserName

How to run Java Program?

Compile \$ javac FileName.java

Run \$ java FileName

1. Run Java Console Program using Command Line

- a. Install Java
 - i. \$ sudo su -
 - ii. # apt update
 - iii. # apt install default-jdk
- b. Check Java working
 - i. \$ javac -version
 - ii. \$ java -version
- c. Sample Project(HelloWorld.java)
- d. Compile Java
- e. Run Java

2. Install Apache Maven in your Machine

3. Run Java Console Program using Apache Maven

Java

- JRE(Java **R**untime Environment)
 - Run .class File
 - \$ sudo apt install **openjdk-17-jre**
 - \$ java -version
 - Also have JVM(Java Virtual Machine)
 - JVM is used to Provide complete runtime solution
 - Used by Operation, Testing, Client team
- JDK(Java Development Kit)
 - Used by Developer/Coder/Software Engineer
 - \$ sudo apt install **openjdk-17-jdk**
 - \$ javac -version
 - Translate(Compile) .java file

- Pass = Generate .class file
- Fail = Errors

Write Java Project(.java) --> javac(Compile) --> .class --> java(run)

```
$ sudo apt update
$ sudo apt install openjdk-17-jdk
  Compile = JAVAC
  Run = JRE(JVM)
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