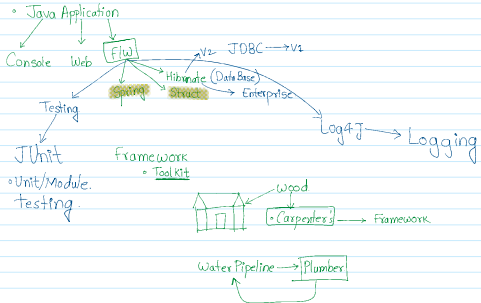


Application  
Inside → In Fra  
Deploy

Application Programming Language.

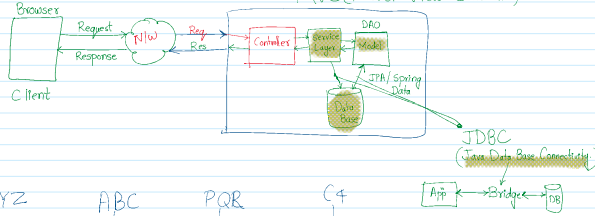
- ① Java ② Python ③ MS.Net(C#.Net) ④ Go



Java Framework

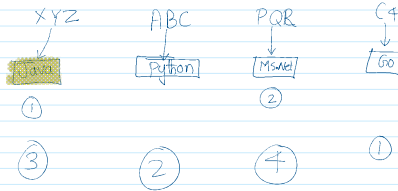
① Spring Boot & Web Solution

Spring Boot  
MVC(Model View Controller)

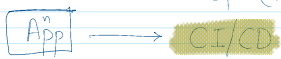


Old

Next



DevOps(App → Automation)



Automated deployment/Integ/develo

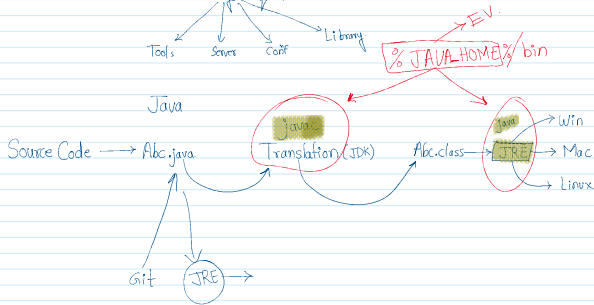
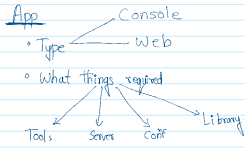
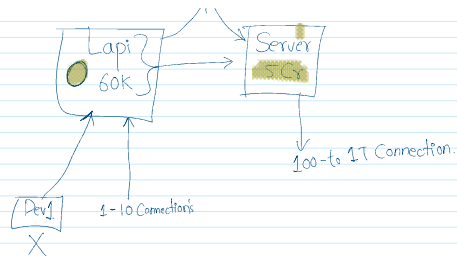
XXXOps (DevOps)

DevOps	GitOps	SysOps	CloudOps	Core
Software Development Life Cycle	• Git	• Linux	• cloud	

DevOps

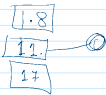
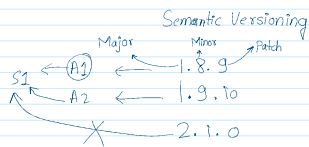
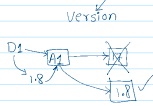






## Java Environment

### I Install Java (JDK+JRE)



### (POC) Multiple Java Version

Win  
PATH=  
JAVA\_HOME

Environment Variable.

Variable:  
➤ Container which hold data (value, address/path, string, Boolean)

C:\Users\NELO07>set v=254

C:\Users\NELO07>echo %v%

254

C:\Users\NELO07>set v=C:\notes\pdf\

C:\Users\NELO07>echo %v%

C:\notes\pdf\

C:\Users\NELO07>

PATH

➤ Location/Address

➤ Windows:

○ Backward Slash \

○ Join Multiple Line of Command (\*)

➤ Linux:

○ Forward Slash /

○ Join Multiple Line of Command (\)

➤ Relative Path = Not Complete

➤ Absolute Path = Complete

Unix/Mac/Linux

\$1 \

> -lib \

> /lib

Windows

C:\Users\NELO07>dir /a

More? C:\Users

Volume in drive C is Win11

Volume Serial Number is 725B-AF66

Directory of C:\Users

06/20/2023 08:08 PM <DIR>

07/27/2023 11:34 AM <DIR> NELO07

06/20/2023 07:48 PM <DIR> Public

0 File(s) 0 bytes

3 Dir(s) 222,048,000 bytes free

C:\Users\NELO07>dir /a

Volume in drive C is Win11

Volume Serial Number is 725B-AF66

Directory of C:\Users

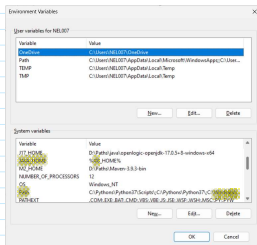
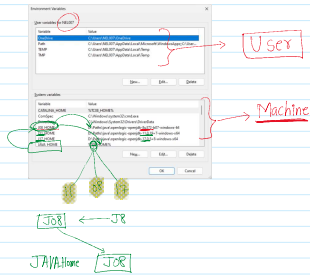
06/20/2023 08:08 PM <DIR>



07/07/2023 11:34 AM <DIR> NEL007  
 06/20/2023 07:48 PM <DIR> Public  
 0 File(s) 0 bytes  
 3 Dir(s) 332,045,662,208 bytes free  
 c:\Users\NEL007\Desktop

explorer D:\Path\Java\openlogic-openjdk-8u372-b07-windows-64

Run -> systempropertiesadvanced



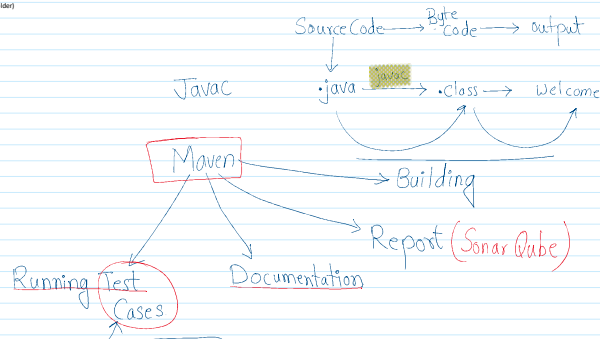
1] P1 -> 18  
 2] P2 -> 17  
 3] P3 -> 11

D:\Trainings\NEMCO10423>git clone https://github.com/NubeEra-Samples\Java-HelloWorld.git  
 Cloning into 'Java-HelloWorld'...  
 remote: Enumerating objects 32, done.  
 remote: Counting objects: 100% (33/33), done.  
 remote: Compressing objects: 100% (19/19), done.  
 remote: Total 33 (delta 7), reused 28 (delta 6), pack-reused 0  
 Receiving objects: 100% (33/33), 4.33 KiB | 2.17 MB/s, done.  
 Resolving deltas: 100% (7/7), done.  
 D:\Trainings\NEMCO10423>cd Java-HelloWorld  
 D:\Trainings\NEMCO10423\Java-HelloWorld>javac WelcomeWorld.java  
 D:\Trainings\NEMCO10423\Java-HelloWorld>java WelcomeWorld.java  
 Welcome world!  
 D:\Trainings\NEMCO10423\Java-HelloWorld>

D:\Trainings\NEMCO10423>mvn -version  
 D:\Trainings\NEMCO10423>git clone https://github.com/NubeEra-Samples\Java-HelloWorld.git  
 D:\Trainings\NEMCO10423>cd Java-HelloWorld  
 D:\Trainings\NEMCO10423\Java-HelloWorld>mvn verify  
 D:\Trainings\NEMCO10423\Java-HelloWorld>mvn clean  
 D:\Trainings\NEMCO10423\Java-HelloWorld>mvn compile  
 D:\Trainings\NEMCO10423\Java-HelloWorld>mvn package  
 D:\Trainings\NEMCO10423\Java-HelloWorld>mvn install  
 D:\Trainings\NEMCO10423\Java-HelloWorld>mvn deploy

Abc.java -> javac -> .class -> Java Console Based Application

100.java -> mvn compile -> target/classes -> Maven (console, web)





Running Test Cases

Documentation

report (conar wude)

$r1 = \text{div}(10, 2)$

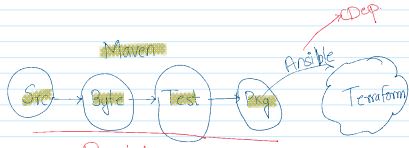
Coverage

Code

Test

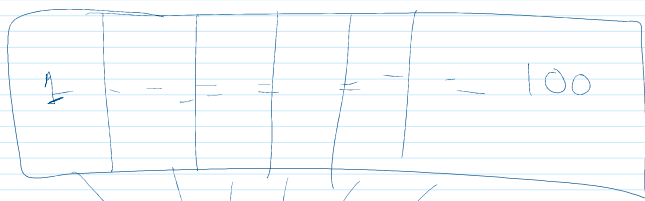
How much testing functionalities

Test Cases Run.



Build  
CB

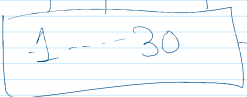
CI  
Jenkins



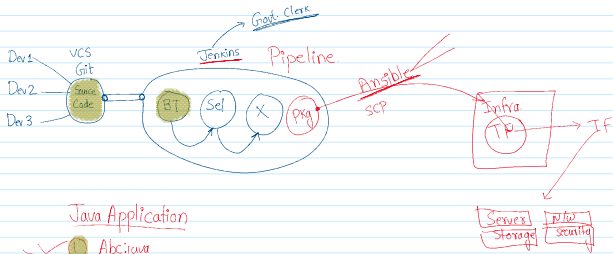
App (Dev)  
functionality



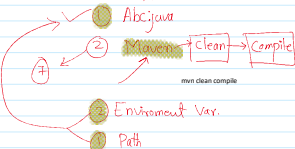
Tester (Code Coverage 85%)



TC (30%)



Java Application



→ Jenkins  
→ Maven



