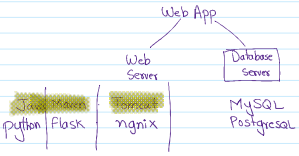
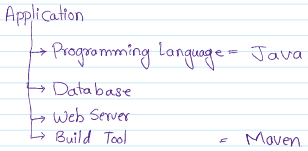
15.04Jun.DatabaseServer

Sunday, June 4, 2023 4:34 PM



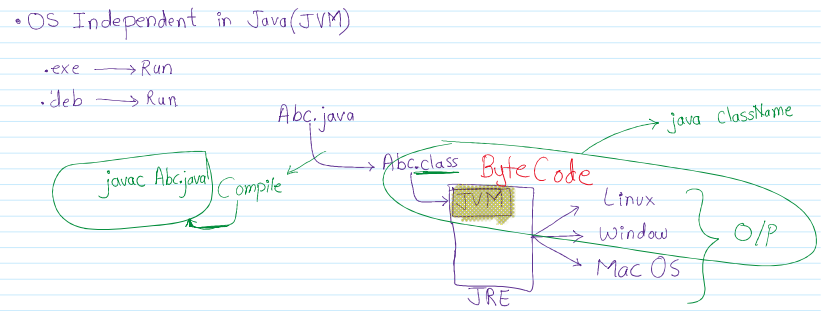


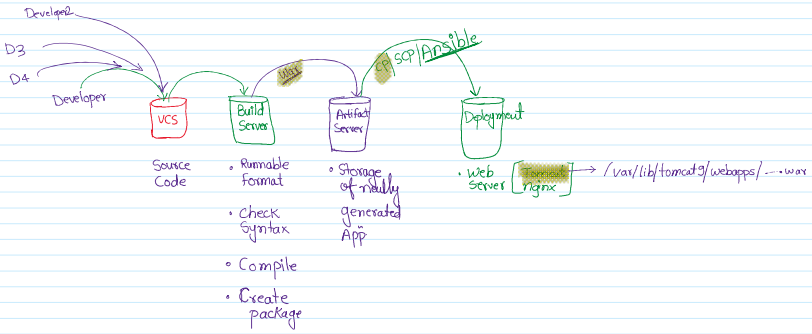
http://65.2.172.205:8080/

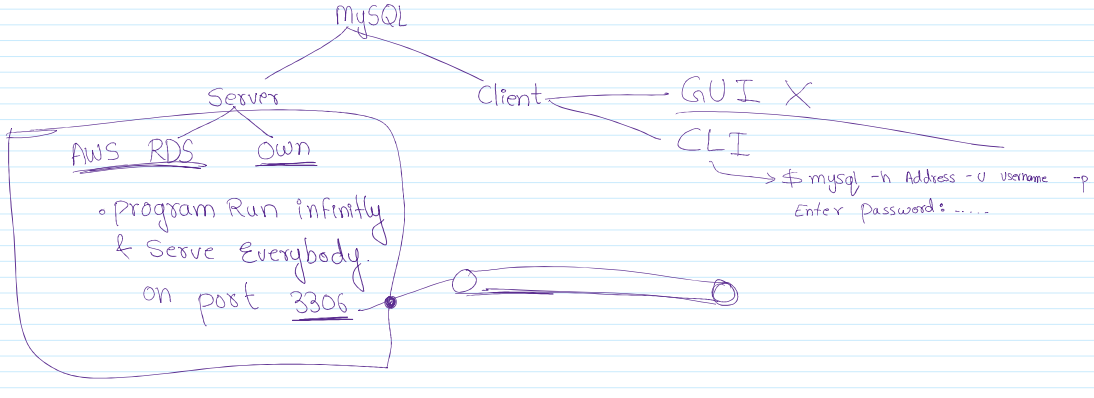
1. Create Linux Machine
   a. Order EC2 Instance
2. Deploy Web Server(Tomcat) in Linux Machine
   a. Update Linux Repo(using # apt update)
   b. Java 8(JRE+JDK) (# apt install openjdk-8-jdk -y)
   c. Update Linux Repo
   d. # java -version
   e. # javac -version
   f. Install Apache Maven(# apt install maven -y)
   g. # mvn --version
   h. Update Linux Repo
   i. # git --version
   j. Install Tomcat9 (# apt install tomcat9)
   k. Install Tomcat9-admin (# apt install tomcat9-admin)
3. Application should deployed on Web Server.
   a. Check Tomcat # systemctl status tomcat9
   b. Clone git Repo
      i. $ git clone https://github.com/NubeEra-MCO/addressbook.git
      ii. # cd addressbook
   c. Maven Lifecycle Phases (Clean --> Compile --> Package)

i.	# mvn clean	Delete all previous generated output
	# mvn compile	Convert .java files into .class files
	# mvn package	# mvn compile + convert into package(war/jar)

   OR
   ii. # mvn clean compile package
   OR
   iii. # mvn package







apt install mysql-server

exit → $ sudo apt update

sudo su → # apt update

Install MySQL Database Server and Client(CLI)

```
$ sudo su -
# apt update
# apt install mysql-server -y
# mysql --version
# mysql
mysql> alter user root@localhost IDENTIFIED WITH mysql_native_password BY '123';
mysql> exit
# mysql_secure_installation
# mysql -h 127.0.0.1 -u root -p
```

Create Database & Table --> Insert value

```
mysql>  show databases;
mysql>  create database db1;
mysql>  show databases;
mysql>  use db1;
mysql>  create table t1(c1 int);
mysql>  insert into t1(c1) values(111);
mysql>  select * from t1;
mysql>  \q

#
```