CREATE AWS INSTANCE AND CONNECT IT TO PUTTY

Create instance
Copy the public ip address and paste it in the putty and add the ppk file downloaded while creating the instance

INSTALL DOCKER ON AWS INSTANCE AND SHOW THE VERSION OF IT

Create instance and connect it to putty
Sudo su
Yum update -y
Amazon-linux-extras install docker -y
Service docker start
Docker -v

INSTALL GIT ON AWS INSTANCE AND SHOW THE VERSION OF IT.

Create install and connect it to putty
Sudo su
Yum install git -y
Git -v

COMPILE PROJECT IN JENKINS USING MAVEN

Go to jenkins and create a new project
Give name to the project and select freestyle project
In source code management select git
Add the repo of https://github.com/wakaleo/game-of-life.git
Then built

CREATE SLAVE NODE IN JENKINS

Go to jenkins and select manage jenkins
In that select manage nodes and cloud
Create slave node

ASSIGN PROJECT TO SLAVE NODE AND BUILD PROJECT

Go to jenkins and select manage jenkins
Select mange nodes
Craete node and give the location of a folder created on desktop

And save
Use the link to connect the slave in cmd
Create a new project
In general > restrict where the project can be run > add slave name and save

RUN SELENIUM TESTS IN JENKINS USING MAVEN

Open jenkins and select new item
Give name and select maven project
Add the repo of jleetutorial and write test in goals
Save and apply
Build the project

BUILD PIPELINE PROJECT IN JENKINS

Create a new project select pipeline
Add code only till hello world and run then add rest of the code and again run

```
Pipeline{
Agent any
stages{
      stage('hello') {
         steps{
            echo 'hello world'
         }
```

```
pipeline {
   agent any
   stages {
      stage('Build') {
         steps {
            //
         }
      }
      stage('Test') {
         steps {
            //
         }
      }
      stage('Deploy') {
         steps {
            //
         }
               }
       }
}
```

TO PERFORM VARIOUS GIT OPERATIONS ON LOCAL AND REMOTE REPOSITORIES

Create instance
Sudo su
Yum update -y
Yum install git -y
Git –version
Git config –list
Git config –global user.name “falguni”
Git config –global user.email “falgunijoshi@gmail.com”
Git config –list
Which git
Mkdir dev26
Cd dev26
Ls
Cat >> dev26
Ls
Git init
Git remote add falguni https://github.com/FalguniJoshi/falguni26.git

GIT PULL AND PUSH

Git push -u origin master
Git pull origin master

PULL UBUNTU IMAGE IN DOCKER AND EXECUTE BASH

Create instance
Yum update -y
Amazon-linux-extras install docker -y
Service docker start
Usermod -a -G docker ec2-user
Service docker status
Docker info
Docker images

Docker pull ubuntu
Docker run -it -d ubuntu
Docker ps
Docker ps -a
Docker exec -it container-id(docker ps -a) bash
Inside the container user{
La
Mkdir docker
Ls
Exit}
Docker –version
Docker run hello-world
Docker pull alpine
Docker run -it -d alpine
Docker container ls
Docker search mysql