1)To get root access

sudo su

2)Install java 8

yum install java-1.8.0

java -version

yum remove java-1.7.0-openjdk

3)Install tomcat

yum install tomcat8 tomcat8-webapps tomcat9-admin-webapp tomcat8-docs-webapp

service tomcat8 start

wget http://localhost:8080 --To get Tomcat on EC2 instance

4)To install docker

yum install -y docker

docker -v

5)

service docker start --To start the container

docker pull node

docker pull openjdk

6)Docker commands

docker images --To show docker images in container

6)To install node and npm

yum install -y gcc-c++ make

curl -sL https://rpm.nodesource.com/setup\_13.x | sudo -E bash -

sudo yum install nodejs

node -v

npm -v

7)(Use :wq to save and exit from vi)(Upload file HelloWorld.java to EC2 instance)

vi Dockerfile

FROM java:8

ADD HelloWorld.java HelloWorld.java

RUN javac HelloWorld.java

CMD java HelloWorld

docker build -t javafirst .

docker run javafirst

8)For Spring Boot application(Dockefile is used to create docker image)

Upload jar file

Get jar file in EC2 instance

vi Dockerfile

FROM java:8

ADD SpringBootDemo-0.0.1-SNAPSHOT.jar SpringBootDemo-0.0.1-SNAPSHOT.jar

java -jar SpringBootDemo-0.0.1-SNAPSHOT.jar

docker build -t bootfirst .

docker run bootfirst

(In case of database error check update application.properties)

9)For postman (test02 is image name)

docker run -p 9087:9087 -td test02