PHASE 5

PRACTICE PROJECT

DEPLOY APPLICATION ON CLOUD

PROCEDURE

1.IN THIS PROJECT WE MUST USE STS ECLIPSE IDE, AMAZON EC2 AND S3 BUCKET

2.FIRST WE CREATE A SPRING STARTER PROJECT NAMED DEPLOYAPP AND IN APPLICATION PROPERTIES WE MENTION THE SERVER PORT 8081 IN WHICH THE APP RUNS

3.CREATE A CLASS MAINCONTROLLER AND USING GETMAPPING WE CREATE A METHOD THAT RETURNS A STRING MESSAGE

4.NOW WE RUN THE SPRING BOOT APP AND THE JAR FILE WILL BE CREATED UNDER THE TARGET FOLDER AND IT'S PATH MUST BE NOTED DOWN

5.UNDER THE PRACTICE LABS WE LAUNCH THE AWS AND WE CREATE AN EC2 INSTANCE AND PROVIDE THE TAGS,SECURITY KEYS ETC AND WE FINALLY CLICKED CREATE INSTANCE

6.NOW CLICK THE INSTANCE AND PRESS CONNECT AMAZON LINUX 2 AMI WINDOW WILL OPEN SO NOW GO TO THE ROOT DIRECTORY AND INSTALL JAVA VERSION 8 BY USING THE FOLLOWING COMMAND sudo yum install -java1.8.0

7.NEXT WE CREATE THE S3 BUCKET NAMED SPRING-APP-HOME AND CREATED A FOLDER SPRINGBOOT AND IN THAT FOLDER WE UPLOADED THE JAR FILE AND IF IT'S PRIVATE CHANGE THE ACCESS TO PUBLIC ACCESS

8.NOW USING THE COMMAND WEGET AND THE OBJECT URL(https://spring-app-home.s3.amazonaws.com/springboot/DeployApp-0.0.1-SNAPSHOT.jar) WE INSTALL THE S3 BUCKET OBJECT IN EC2 INSTANCE

9.AFTER INSTALLING NOW WE RUN THE JAR FILE USING THE COMMAND java -jar DeployApp-0.0.1-SNAPSHOT.jar SO THE SPRING BOOT APP STARTS RUNNING ON THE SERVER

10.IN THE EC2 INSTANCE WE OPEN THE PUBLIC IPv4 DNS

ALONG WITH THE PORT NUMBER AND THE API (http://ec2-3-91-180-11.compute-1.amazonaws.com:8081/home ) AND HENCE THE SPRING BOOT APPLICATION IS DEPLOYED IN CLOUD.