PHASE #5
3.40 → DEPLOY APPLICATION ON CLOUD

Project Objective:
As a developer, deploy your Spring Boot
application on cloud.

This project involves creating a sprong. Boot
application using Eclipse - IDE, then extracting
a snapshot jar file and running through AWS.

Steps:-

1) Open Eclipse & create a Maven project.
2) Create a class with name SpringBootAWSApplicat
3) Create a class named BasicController & add a
   GetMapping annotation, then return a code with
   text to be displayed in the home().
4) login to AWS account
5) Create instance named AWS_53
6) Connect to the SSH Client by downloading the
   .pem file
7) Now, open PuttyGen, load the pem file and
   Generate a ppk (private key) then download it.
8) Now, open Putty, then upload the ppk file in
   Auth directory.
9) copy the instance (AWS-53) ipv4 address and
   paste in Hostname of putty. then click open.
10) Then if the credentials match the putty asks
    for security Alert, click Accept.
11) Then an EC2 instance is launched through
    SSH client.
12) Enter into super user mode using Sudo -i

13) Install java 11, as java 11 version is Used in SpringBoot project.

14) Sudo yum install -y java-11-amazon-corretto-de...

15) To check java is downloaded. Click with comman... java - Version.

16) To fetch the Snapshot that is generated on the spring Boot project by clean & install ~

17) Create a Bucket & a folder in it

18) Now, upload the folder with Snapshot in the

19) Now, in the console, Enter the command :-
wget https://myaws springboot new. S3. amazon aws. com /spring-boot-aws-0.0.11 - SNAPSHOT. jar.

20) Now, go to instance copy the ip address of DNS4 & paste, add inbound rules as 9051 with custom TCP. then open new browser enter the ip address & port number, the message get displayed.

Code
Basic Controller.java
package com. daily code buffer.aws;
import org. spring framework. web. bind. annotation. GetMap...

① RestController
public class BasicController{

② GetMapping ("/")
public string home(){
return "This is the code written by Vishwanath Bageli and is Deployed to AWS EC2 and S3 !!!";

}

3

SpringBootAWsApplication. java

```java
package com. daily codebuffer. aws;
import org. springframework. boot. springApplication;

④ springBootApplication
public class SpringBootAWs Application{
    public static void main (String[] args){

        SpringApplication. run (SpringBootAWs Application.
                               class, args);
    }
}
```

3.