**Deploy application on cloud**

**SampleController.java**

package com.controller;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.RestController;

@RestController

public class SampleController {

// http://localhost:9090

@GetMapping(value = "/")

public String greeting() {

return "Welcome to Spring boot with docker ";

}

}

**SpringBootWithDockerApplication.java**

package com;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication(scanBasePackages = "com")

public class SpringBootWithDockerApplication {

public static void main(String[] args) {

SpringApplication.run(SpringBootWithDockerApplication.class, args);

}

}

**Application.properties**

server.port=9090

**SpringBootWithDockerApplicationTests.java**

package com;

import org.junit.jupiter.api.Test;

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

class SpringBootWithDockerApplicationTests {

@Test

void contextLoads() {

}

}

**Pom.xml**

<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>2.6.12</version>

<relativePath/> <!-- lookup parent from repository -->

</parent>

<groupId>com.example</groupId>

<artifactId>spring-boot-with-docker</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>spring-boot-with-docker</name>

<description>Demo project for Spring Boot</description>

<properties>

<java.version>11</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<finalName>spring-boot-aws</finalName>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

</build>

</project>

**Dockerfile**

FROM openjdk:11

COPY target/spring-boot-with-docker-0.0.1-SNAPSHOT.jar .

CMD ["java","-jar","spring-boot-with-docker-0.0.1-SNAPSHOT.jar"]