Example:

* 1. Create maven project with name Springboot
  2. Open pom.xml file and add the following content below the <url>http://maven.apache.org</url> line

<parent>

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

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

<version>1.5.10.RELEASE</version>

</parent>

<properties>

<java.version>1.8</java.version>

</properties>

* 1. Add the following content in <dependencies>

<dependency>

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

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

</dependency>

<dependency>

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

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

</dependency>

<dependency>

<groupId>org.apache.tomcat.embed</groupId>

<artifactId>tomcat-embed-jasper</artifactId>

</dependency>

* 1. Add the following content in <build>

<plugins>

<plugin>

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

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

</plugin>

</plugins>

* 1. In src/main/java package create the with name Demo and inside Demo package create class file with name Application

**package** Demo;

**import** org.springframework.boot.SpringApplication;

**import** org.springframework.boot.autoconfigure.SpringBootApplication;

**import** org.springframework.web.bind.annotation.RequestMapping;

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

@SpringBootApplication

@RestController

**public** **class** Application {

**public** **static** **void** main(String[] args) {

SpringApplication.*run*(Application.**class**, args);

}

@RequestMapping(value="/")

**public** String Demo() {

String str;

str="Welcome Microservices by Anand R ";

**return** str;

}

}

* 1. Create Dockerfile
  2. Open terminal and go to the project folder path

Check the docker and maven installation

$docker –v

$mvn –v

* 1. Clean and build the project

$mvn clean

$mvn install

then build the Dockerfile

$docker build -f Dockerfile -t springboot .

and check the docker imag

$docker images

* 1. Build the dockerfile

$ docker run -p 8080:8080 springboot

* 1. Open browser and enter the url

http://<ipaddress>:8080