**From springboot app to docker image**

Step 1: Create a demo springboot project with springweb dependency

Step 2: Create a simple RESTAPI

@RestController

@RequestMapping("/api")

**public** **class** Controller {

@GetMapping("/docker")

**public** String getDocker() {

**return**"Docker is working";

}

}

Step 3: Maven Build the project

1. Right-click on the project in the Eclipse Package Explorer.
2. Select "Run As" from the context menu, and then click "Maven build".
3. In the "Goals" field, enter "package".
4. Click on "Run".

Jar file will be generated in target folder

Step 4: Create Dockerfile in the project

1. Right-click on the project
2. New 🡪 file
3. Create a file by the name Dockerfile

Step 5: Configuration in Dockerfile

1. From openjdk:11
2. LABEL maintainer =”yourName”
3. ADD target/dockerImage-0.0.1-SNAPSHOT.jar springboot-docker-demo.jar
4. ENTRYPOINT ["java","-jar","springboot-docker-demo.jar"]

Step 6: Open CMD

1. In file explorer go to dockerfile location open the cmd
2. Give command as **docker build -t springboot-docker-demo:latest .**
3. Give **docker images** to view the generated docker image
4. Give this command **docker run -p 8081:8080 springboot-docker-demo(Note:JRE version should be same or higher)**