n Phase-5 Practice Project: Assisted Practice -

3.Web Hosting:

```
root@ip-172-31-86-69:~# git clone https://github.com/Anuj1990/SpringBootDocker.git
Cloning into 'SpringBootDocker'...
remote: Enumerating objects: 52, done.
remote: Counting objects: 100% (52/52), done.
remote: Compressing objects: 100% (31/31), done.
remote: Total 52 (delta 4), reused 52 (delta 4), pack-reused 0
Unpacking objects: 100% (52/52), done.
root@ip-172-31-86-69:~# cd SpringBootDocker/
root@ip-172-31-86-69:~/SpringBootDocker# ls -alrt
total 24
drwx------ 7 root root 4096 Jul 25 02:33 ..
drwxr-xr-x 4 root root 4096 Jul 25 02:33 src
-rw-r--r-- 1 root root 2601 Jul 25 02:33 pom.xml
-rw-r--r-- 1 root root  207 Jul 25 02:33 Dockerfile
drwxr-xr-x 8 root root 4096 Jul 25 02:33 .git
drwxr-xr-x 4 root root 4096 Jul 25 02:33 .
root@ip-172-31-86-69:~/SpringBootDocker#
```

```
root@ip-172-31-86-69:~/SpringBootDocker# mvn clean install
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar)
Class(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Scanning for projects...
[INFO]
[INFO] --------------------< com.example:demo-docker >----------------------
[INFO] Building demo-docker 0.0.1-SNAPSHOT
[INFO] -----------------------------[ jar ]-----------------------------
[INFO]
[INFO] --- maven-clean-plugin:3.0.0:clean (default-clean) @ demo-docker ---
[INFO] Deleting /root/SpringBootDocker/target
[INFO]
```

```
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:3.0.2:jar (default-jar) @ demo-docker ---
[INFO] Building jar: /root/SpringBootDocker/target/demo-docker-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:2.0.5.RELEASE:repackage (default) @ demo-docker ---
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ demo-docker ---
[INFO] Installing /root/SpringBootDocker/target/demo-docker-0.0.1-SNAPSHOT.jar to /root/.m2/reposi
.jar
[INFO] Installing /root/SpringBootDocker/pom.xml to /root/.m2/repository/com/example/demo-docker/0
[INFO] ------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------
[INFO] Total time:  8.341 s
[INFO] Finished at: 2019-07-25T02:35:10Z
[INFO] ------------------------------------------------------------------
root@ip-172-31-86-69:~/SpringBootDocker#
```

```
root@ip-172-31-86-69:~/SpringBootDocker# docker build -t springbootapp .
Sending build context to Docker daemon  30.99MB
Step 1/5 : FROM java:8-jdk-alpine
 ---> 3fd9dd82815c
Step 2/5 : COPY ./target/demo-docker-0.0.1-SNAPSHOT.jar /usr/app/
 ---> 03af141fea64
Step 3/5 : WORKDIR /usr/app
 ---> Running in c5873bb5c094
Removing intermediate container c5873bb5c094
 ---> c7628e48b550
Step 4/5 : RUN sh -c 'touch demo-docker-0.0.1-SNAPSHOT.jar'
 ---> Running in 090cab39b1ed
Removing intermediate container 090cab39b1ed
 ---> 80f5bfb8c92e
Step 5/5 : ENTRYPOINT ["java","-jar","demo-docker-0.0.1-SNAPSHOT.jar"]
 ---> Running in e3d6aaa482cc
Removing intermediate container e3d6aaa482cc
 ---> 5a26279c1de0
Successfully built 5a26279c1de0
Successfully tagged springbootapp:latest
root@ip-172-31-86-69:~/SpringBootDocker# docker images
REPOSITORY          TAG            IMAGE ID            CREATED             SIZE
springbootapp       latest         5a26279c1de0        4 seconds ago       177MB
java                8-jdk-alpine   3fd9dd82815c        2 years ago         145MB
root@ip-172-31-86-69:~/SpringBootDocker#
```

```
root@ip-172-31-86-69:~# kubectl describe svc springbootapp
Name:                     springbootapp
Namespace:                default
Labels:                   run=springbootapp
Annotations:              <none>
Selector:                 run=springbootapp
Type:                     LoadBalancer
IP:                       10.100.132.0
LoadBalancer Ingress:     a6fd149f5b40711e986440ef68ec90d9-1889437699.us-west-2.elb.amazonaws.com
Port:                     <unset>  8080/TCP
```


	Name	DNS name	State	VPC ID	Availability Zones	Type
☑	a6fd149f5b40711e986440ef...	a6fd149f5b40711e986440ef...		vpc-01e3c3dfaeb819a27	us-west-2b, us-west-2c...	classic

Load balancer: a6fd149f5b40711e986440ef68ec90d9

Description | Instances | Health check | Listeners | Monitoring | Tags | Migration

Basic Configuration

Name   a6fd149f5b40711e986440ef68ec90d9   Creation time   August 1, 2019 at 8:22:45 AM UTC+5:30

```
root@ip-172-31-86-69:~# curl -w "\n" a6fd149f5b40711e986440ef68ec90d9-1889437699.us-west-2.elb.amazonaws.com:8080/greet/EKSSpringboot
Hi!! EKSSpringboot
root@ip-172-31-86-69:~#
```