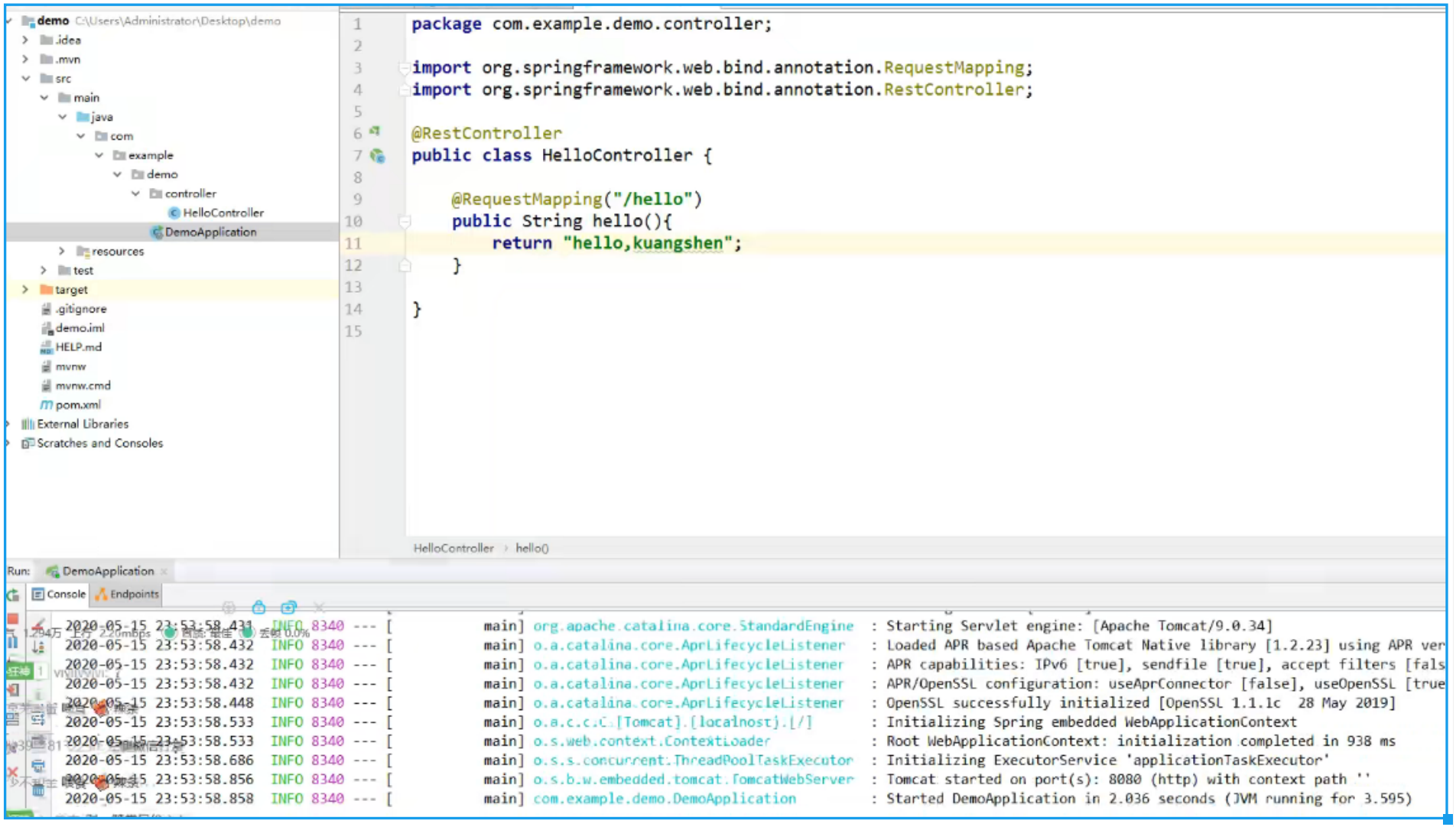
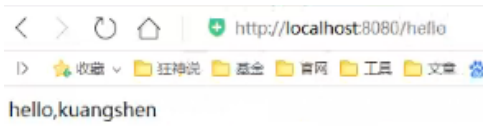
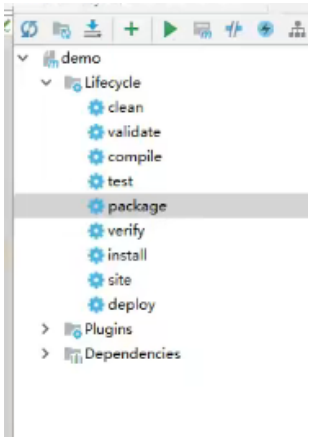
20、将springboot服务---->打包成jar---->构建成镜像--->运行镜像

1、创建一个springboot的demo服务，编写一个helloworld程序，能正常访问即可

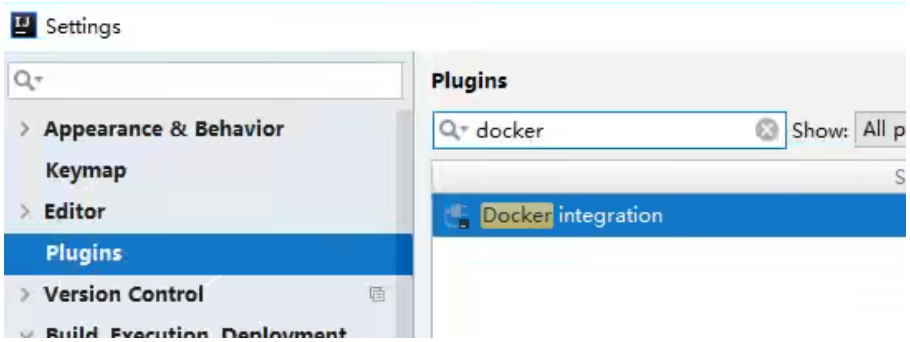




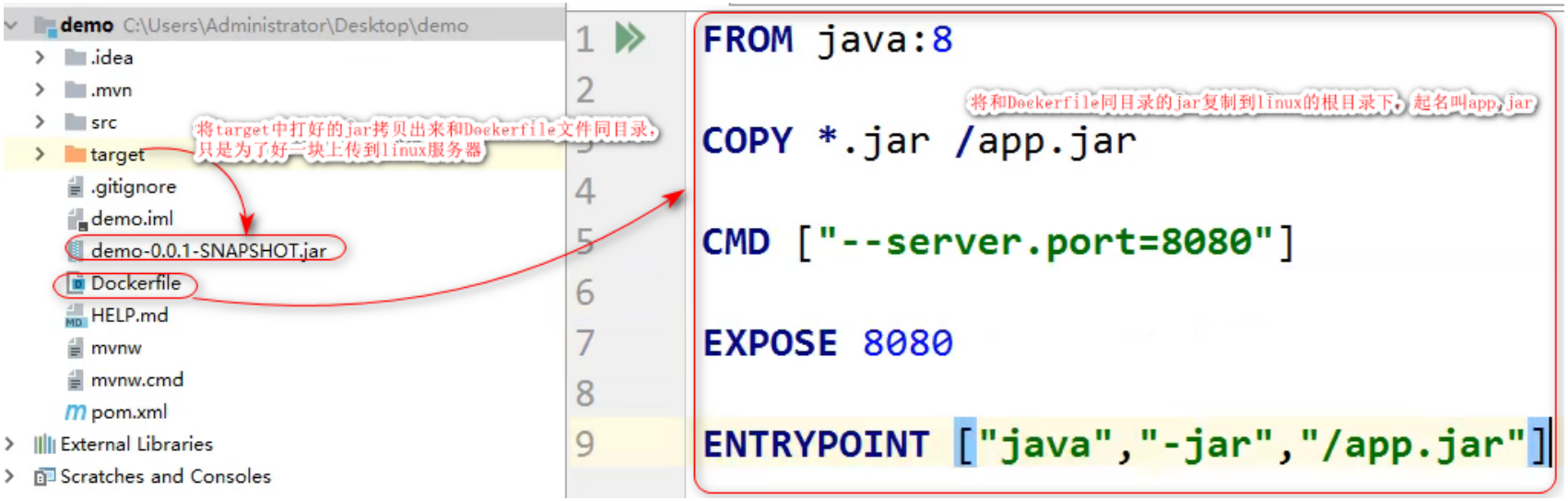
2、将demo服务打包成jar



3、安装docker插件

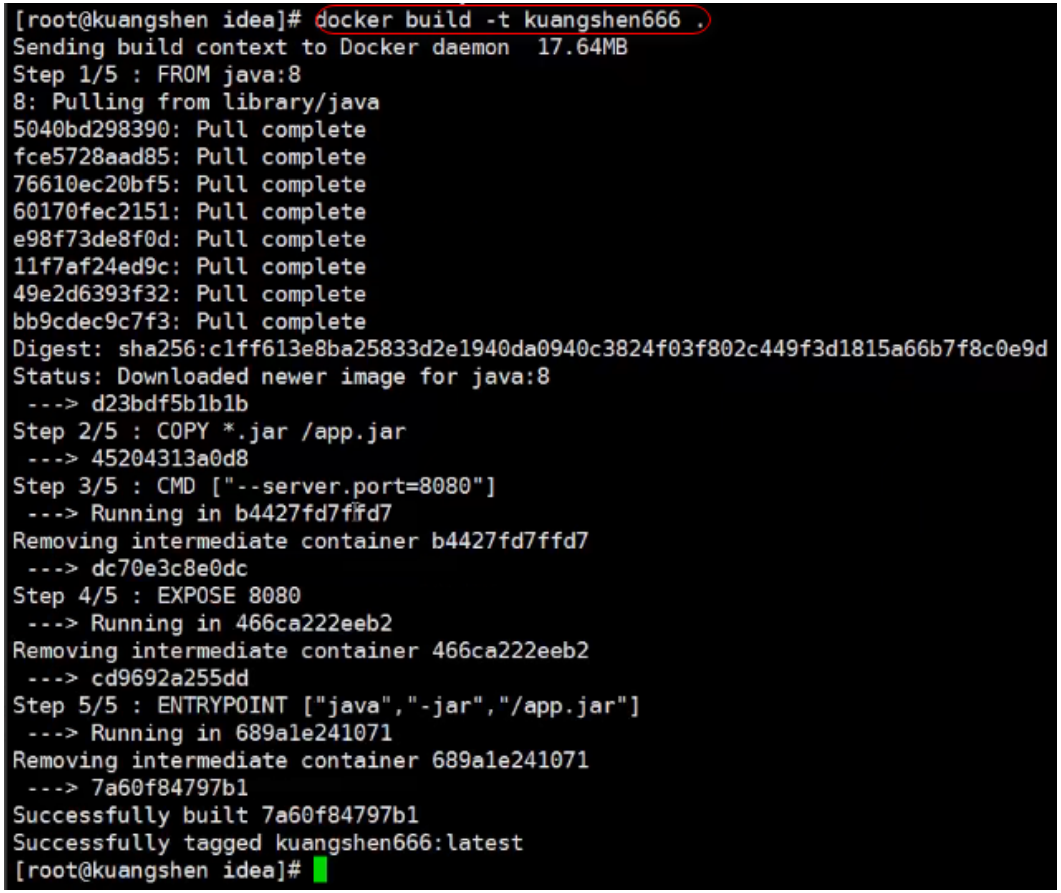


4、编写好Dockerfile脚本文件，并将打好的jar和Dockerfile文件一块上传到linux的创建好的/home/idea目录下



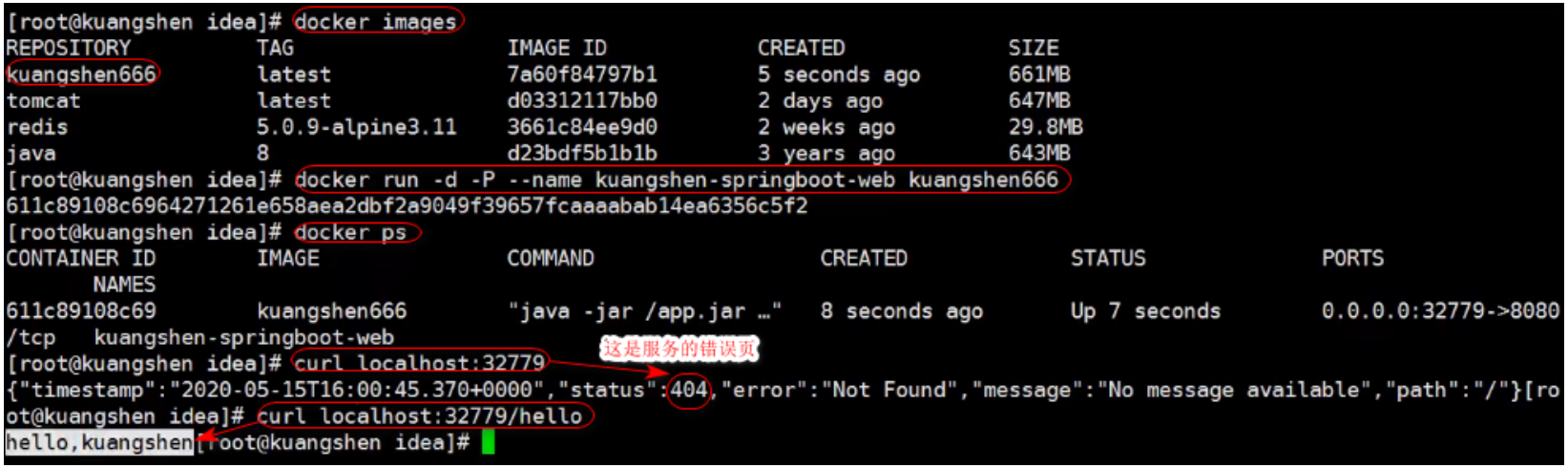

```
[root@kuangshen idea]# ls
demo-0.0.1-SNAPSHOT.jar  Dockerfile
[root@kuangshen idea]# ll
total 17228
-rw-r--r-- 1 root root 17634295 May 15 23:58 demo-0.0.1-SNAPSHOT.jar
-rw-r--r-- 1 root root      120 May 15 23:58 Dockerfile
[root@kuangshen idea]#
```

5、通过docker命令执行Dockerfile文件，将jar包构建成docker镜像（ kuangshen666 ）



6、通过镜像运行出容器，然后访问容器服务的hello接口

- 给别人的是一个镜像，而不是jar包，别人要用的话直接运行镜像即可，即以后一般是将jar构建成镜像，发布到公有云镜像仓库中，供别人拉取，运行镜像即可。


[root@kuangshen idea]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
kuangshen666 latest 7a60f84797b1 5 seconds ago 661MB
tomcat latest d03312117bb0 2 days ago 647MB
redis 5.0.9-alpine3.11 3661c84ee9d0 2 weeks ago 29.8MB
java 8 d23bdf5b1b1b 3 years ago 643MB
[root@kuangshen idea]# docker run -d -P --name kuangshen-springboot-web kuangshen666
611c89108c6964271261e658aea2dbf2a9049f39657fcaaaabab14ea6356c5f2
[root@kuangshen idea]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
611c89108c69 kuangshen666 "java -jar /app.jar …" 8 seconds ago Up 7 seconds 0.0.0.0:32779->8080
/tcp kuangshen-springboot-web
这是服务的错误页
[root@kuangshen idea]# curl localhost:32779
{"timestamp":"2020-05-15T16:00:45.370+0000","status":404,"error":"Not Found","message":"No message available","path":"/"}[ro
ot@kuangshen idea]# curl localhost:32779/hello
hello,kuangshen[root@kuangshen idea]#