

[CS304] Lab13 Practice

This practice should be checked **onsite during labs**. You could check the practice on week 13 or week 14 lab sessions. Submissions after week 14 will be considered as late submission.

Build a Spring Web Image and create 3 containers

1. Creat a springBoot project

The screenshot shows the Spring Boot project generator interface. Red boxes highlight the following elements:

- Project:** Maven
- Language:** Java
- Spring Boot:** 2.7.11
- Dependencies:** Spring Web
- Project Metadata:** Group (com.example), Artifact (demo), Name (demo), Description (Demo project for Spring Boot), Package name (com.example.demo), Packaging (Jar), Java (8)

Buttons at the bottom: GENERATE (CTRL + G), EXPLORE (CTRL + SPACE), SHARE...

2. Build Docker image on your OS

```
See "docker --help"
root@LAPTOP-EOBHBGLP:/mnt/d/cs304/demo# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
tianlei000000000    latest             ee542f1aab06       2 hours ago        544MB
demotest            latest             ee542f1aab06       2 hours ago        544MB
teedynew            latest             3b5155b11e48       47 hours ago       1.18GB
my_first_container  latest             ff8dc777f8b0       47 hours ago       172MB
lab13_demo          latest             8c9d9532ba4a       2 days ago         544MB
ubuntu              22.04             08622c0ceb15       8 weeks ago        77.8MB
hello-world         latest             feb5d9fea6a5       19 months ago      13.3kB
root@LAPTOP-EOBHBGLP:/mnt/d/cs304/demo#
```

yourname+id

3. Creat 2 containers the port is 8899,9090

