# Assignment 2b

## Here are the steps on how to create Docker Container Environment :

1) Download docker from Docker documentation website

2) Then install it

3) And start docker application

4) Then open cmd

5) for checking docker version
   >docker -v

6) for checking docker images
   > docker images

7) for checking which container available
   > docker ps

8) for pulling oenjdk image in docker
   >docker pull openjdk

9) again step 6

10) again 7 for check images

**11) for run this oenjdk image using following command**
   >docker run --name JAVA -it -d openjdk

   here it = for iterable
       -d = for detach mean for runing image in background

**12) again step 6**

**13) for execution**
   >docker exec -it JAVA jshell
   Explanationof cmd command = docker exec -it name_of_image command_for_run_it

**14) After execution the show like this**
   jshell>

**15) For example to check the java code is running or not**
   jshell>System.out.println("Hello docker");

**16) Then declare variable one which a, then hit the enter button**
   jshell>int a=10;

**17) Then declare variable one which b, then hit the enter button**
   jshell>int b=20;

**18) Then declare variable one which c, then hit the enter button**
   jshell>int c;

**19) Then add two variable and store in one, then hit the enter button**
    jshell>c=a+b;

**20) Then show the out put of addition of two numbers, then hit the enter button**
    jshell>System.out.println(a+b);

**21) for out from running the container image, then hit the enter button**
    jshell>/exit

**22) step 6 for check which container is runing**

**23) for stop container**
    >docker stop container_id

**24) for remove container**
    >docker container rm container_id

    24,b) for remove images

    >docker image rm image_id
**25) step 6**