**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

1. **for checking docker images**

> docker images

1. **for checking which container available**

> docker ps

1. **for pulling oenjdk image in docker**

>docker pull openjdk

1. **again step 6**
2. **again 7 for check images**
3. **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

1. **again step 6**
2. **for execution**

>docker exec -it JAVA jshell

Explanationof cmd command = docker exec -it name\_of\_image command\_for\_run\_it

1. **After execution the show like this**

jshell>

1. **For example to check the java code is running or not**

jshell>System.out.println("Hello docker");

1. **Then declare variable one which a, then hit the enter button**

jshell>int a=10;

1. **Then declare variable one which b, then hit the enter button**

jshell>int b=20;

1. **Then declare variable one which c, then hit the enter button**

jshell>int c;

1. **Then add two variable and store in one, then hit the enter button**

jshell>c=a+b;

1. **Then show the out put of addition of two numbers, then hit the enter button**

jshell>System.out.println(a+b);

1. **for out from running the container image, then hit the enter button**

jshell>/exit

1. **step 6 for check which container is runing**
2. **for stop container**

>docker stop container\_id

1. **for remove container**

>docker container rm container\_id

1. **step 6**