LP 5 Setup Steps

Assignment 1

Install java 8 – jdk 1.8

```
sudo apt-get install openjdk-8-jdk
```

Assignment 2

1. Install java 8 – jdk 1.8
   ```
   sudo apt-get install openjdk-8-jdk
   ```
2. On compiling java files if u get this error :

```
          } catch (org.omg.CORBA.portable.RemarshalException $rm) {
                              ^
ReverseModule/_ReverseStub.java:48: error: package org.omg.CORBA does not exist
     org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init (args, props);
          ^
ReverseModule/_ReverseStub.java:48: error: package org.omg.CORBA does not exist
     org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init (args, props);
                                  ^
ReverseModule/_ReverseStub.java:50: error: package org.omg.CORBA does not exist
     org.omg.CORBA.Object obj = orb.string_to_object (str);
          ^
ReverseModule/_ReverseStub.java:51: error: package org.omg.CORBA.portable does not exist
     org.omg.CORBA.portable.Delegate delegate = ((org.omg.CORBA.portable.ObjectImpl) obj)._get_dele
gate ();
                    ^
ReverseModule/_ReverseStub.java:51: error: package org.omg.CORBA.portable does not exist
     org.omg.CORBA.portable.Delegate delegate = ((org.omg.CORBA.portable.ObjectImpl) obj)._get_dele
gate ();
                                                           ^
ReverseModule/_ReverseStub.java:62: error: package org.omg.CORBA does not exist
     org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init (args, props);
          ^
ReverseModule/_ReverseStub.java:62: error: package org.omg.CORBA does not exist
     org.omg.CORBA.ORB orb = org.omg.CORBA.ORB.init (args, props);
                    ^
Note: ReverseModule/ReversePOA.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
Note: ReverseModule/ReversePOA.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.
73 errors
```

```
Then check which java version is being used
java –version
```

```
If it is not java-1.8.0 then : update-java-alternatives –list
```

```
oslab-08@oslab08-OptiPlex-5060:~/lp5/Distributed-System/Assn-2$ update-java-alternatives --list
java-1.11.0-openjdk-amd64      1111       /usr/lib/jvm/java-1.11.0-openjdk-amd64
java-1.8.0-openjdk-amd64       1081       /usr/lib/jvm/java-1.8.0-openjdk-amd64
```

```
As we can see 2 java versions are there and 11 is set as first.
We now need to set java 1.8 by this command :
```

```
sudo update-java-alternatives --set /usr/lib/jvm/java-1.8.0-
openjdk-amd64
```

Now check the set java version by this command - sudo update-alternatives --config java

```
oslab-08@oslab08-OptiPlex-5060:~/lp5/Distributed-System/Assn-2$ sudo update-alternatives --config java
There are 2 choices for the alternative java (providing /usr/bin/java).

  Selection    Path                                           Priority   Status
------------------------------------------------------------
  0            /usr/lib/jvm/java-11-openjdk-amd64/bin/java      1111      auto mode
  1            /usr/lib/jvm/java-11-openjdk-amd64/bin/java      1111      manual mode
* 2            /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java   1081      manual mode

Press <enter> to keep the current choice[*], or type selection number: ^C
```

As u can see * is at 2 which is java 8.

Assignment 3

1. Install java 8 – jdk 1.8
   sudo apt-get install openjdk-8-jdk

Assignment 4

Need python and jupyter notebook

Install python

python –version
sudo apt update
sudo apt install software-properties-common
sudo add-apt-repository ppa:deadsnakes/ppa
sudo apt update
sudo apt install python3.8
python –version

Install Jupyter
sudo apt-get update
sudo apt-get install python3
sudo apt-get install python3-pip
sudo apt-get install ipython3
pip3 install jupyter
jupyter notebook --allow-root

Assignment 5 & 6

install Eclipse by this command
sudo snap install eclipse --classic

Need java and eclipse installed (jdk > 8)

Assignment 7

Install 'Apache Netbeans' using
- sudo apt update && sudo apt upgrade
- sudo snap install netbeans --classic

Glassfish server version must be 4.1.1