Assignment -3

Step 1 –

Install Java from Oracle, if already installed check the version by

**java –version**

**Step 2 –**

Check for environment variable –

**gedit /etc/environment**

Step 3 –

Configure java environment variable

**sudo update-alternatives - -config java**

Step 4 –

Again check for java version

Step 5 –

Download cloud sim –

For that go to **cloudbus.org** and you will get the github link in Download section

**Download cloudsim -3.0.3**

Step 6–

Install cloudsim , unzip the file , read the readme file for more info. Regarding cloudsim

In that 6 th step is Compiling cloudsim: using Ant

//Ant is a java library

Check if it is install by **ant –version**

if not install it by – **sudo apt install ant**

**clear**

Step 7–

Check if cloudsim is running fine

For that go to cloudsim directory

**cd cloudsim-3.0.3/**

**ls**

Open the example readme file

Run this command -

**javac -classpath jars\cloudsim-3.0.3.jar;examples examples\org\cloudbus\cloudsim\examples\CloudSimExample1.java**

after running this command a class file for example 1 is created in example folder

To run this class file –

**java -classpath jars\cloudsim-3.0.3.jar;examples org.cloudbus.cloudsim.examples.CloudSimExample1**

You will get an output

Step 8–

Open the whole folder in vs code

Go to **sources -🡪 DatacenterBroker.java**

It already have a prefilled java code

Go to this github link

<https://github.com/koushal2001/CloudComputing>

From this

Copy the code of **DataCenterBroker.java**

**And change it with the original code in the vs code of same file**

Here we are using **shortest job scheduling algrithm**

Step 9–

Create a new simulation.java file under example 🡪org 🡪 new file(simulation.java)

And copy the code from github same link as above

Step 10 –

First compile the code

**javac –**

**javac -classpath jars\cloudsim-3.0.3.jar:**

**examples\org\cloudbus\cloudsim\examples\Simulation.java**

check for the path error if any

**java -classpath jars\cloudsim-3.0.3.jar:**

**examples\org\cloudbus\cloudsim\examples\Simulation**