Experiment 1.3

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Subject Name: Cloud Computing & Distributed Systems **Semester: 6**

1. Aim:

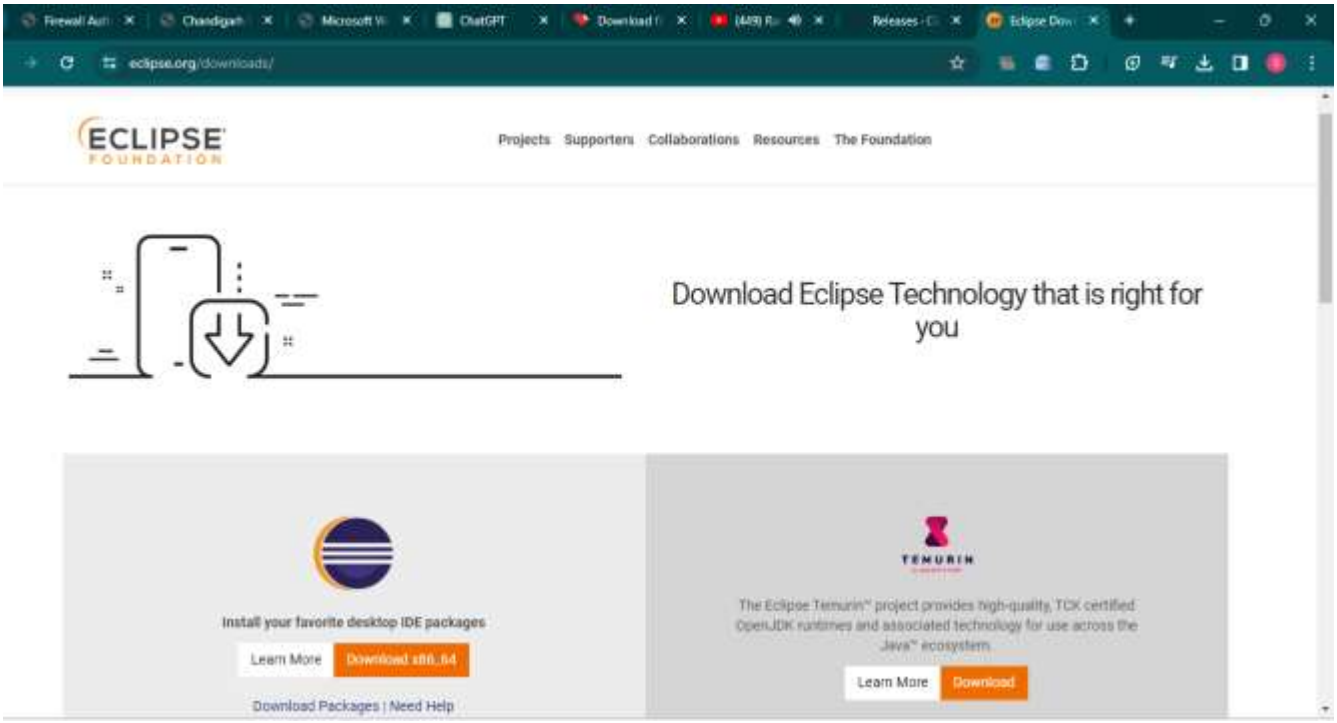
To Installation of Cloud Sim tool and IDE.

2. Objective:

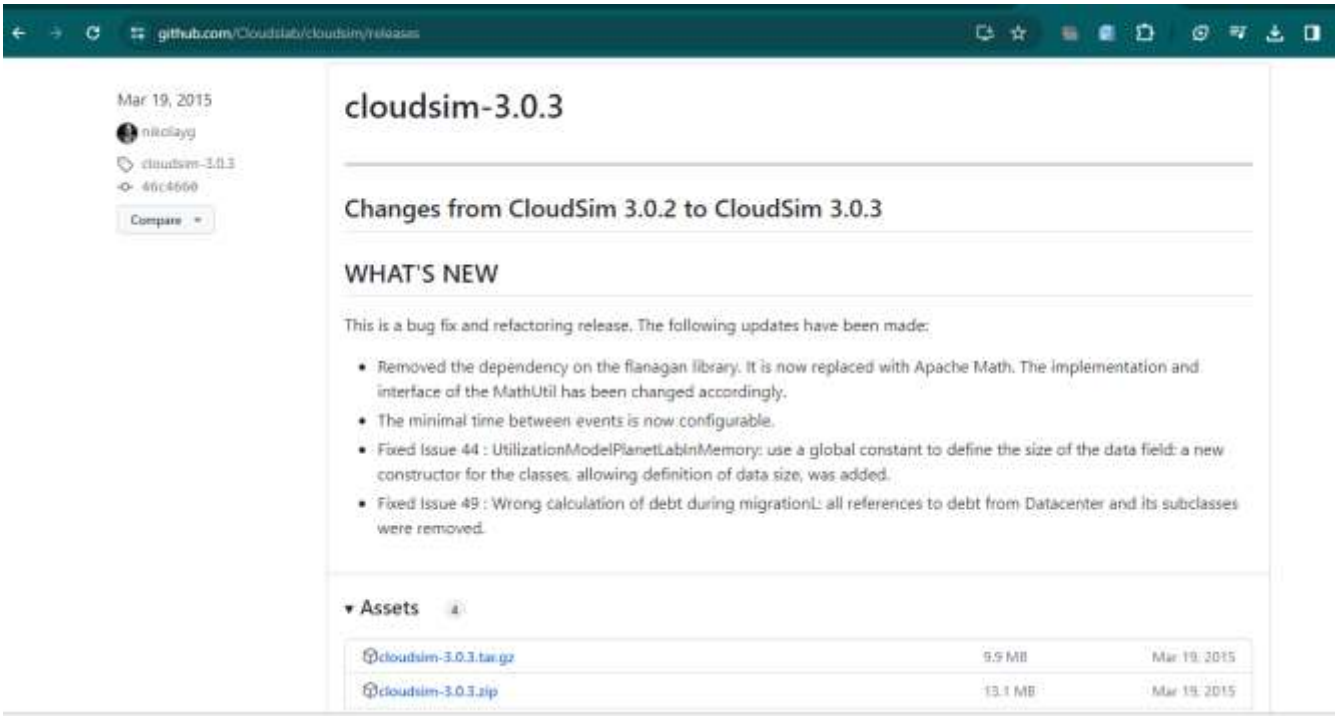
To Install Cloud Sim tool and IDE within the virtual machine.

3. Steps to Install:

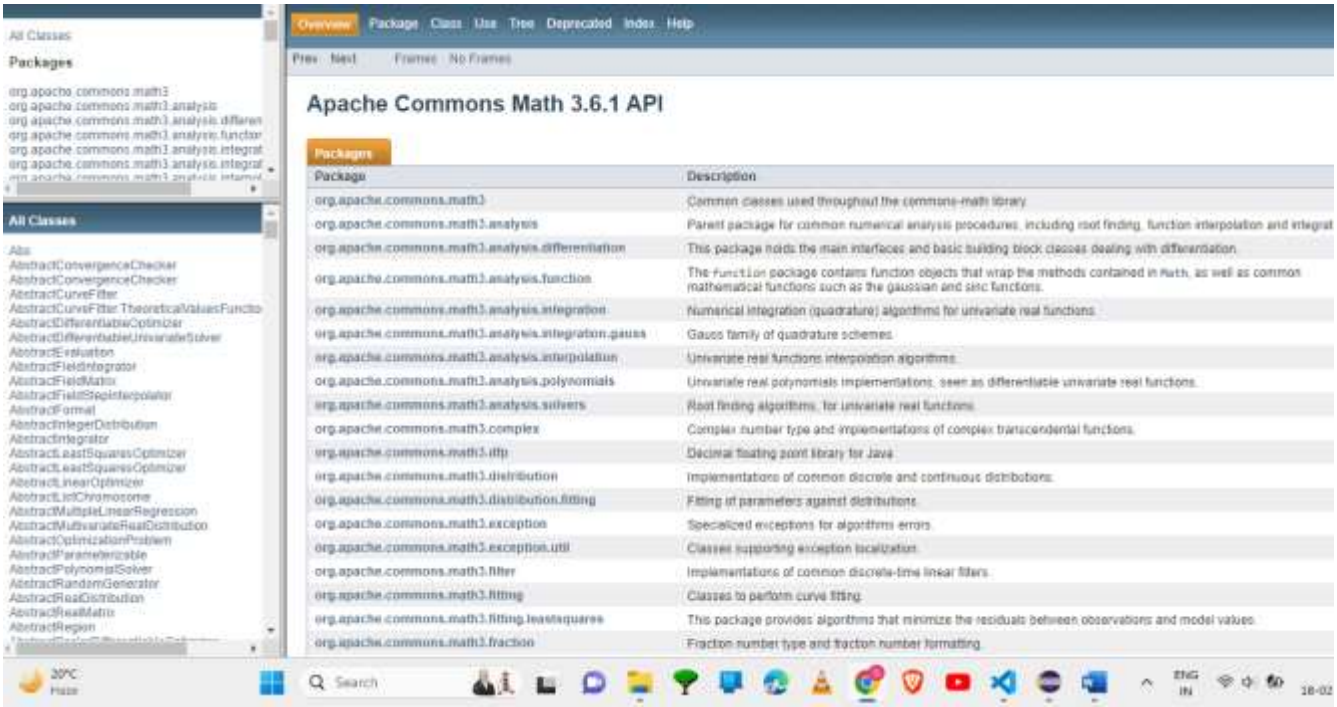
Step 1:Open the Browser and search the Java IDE for the install and the cloud-sim tool for execute .



Step 2: After the open the Browser in the System, and search cloud sim 3.03 go to the GitHub link and download the [cloudsim-3.0.3.zip]

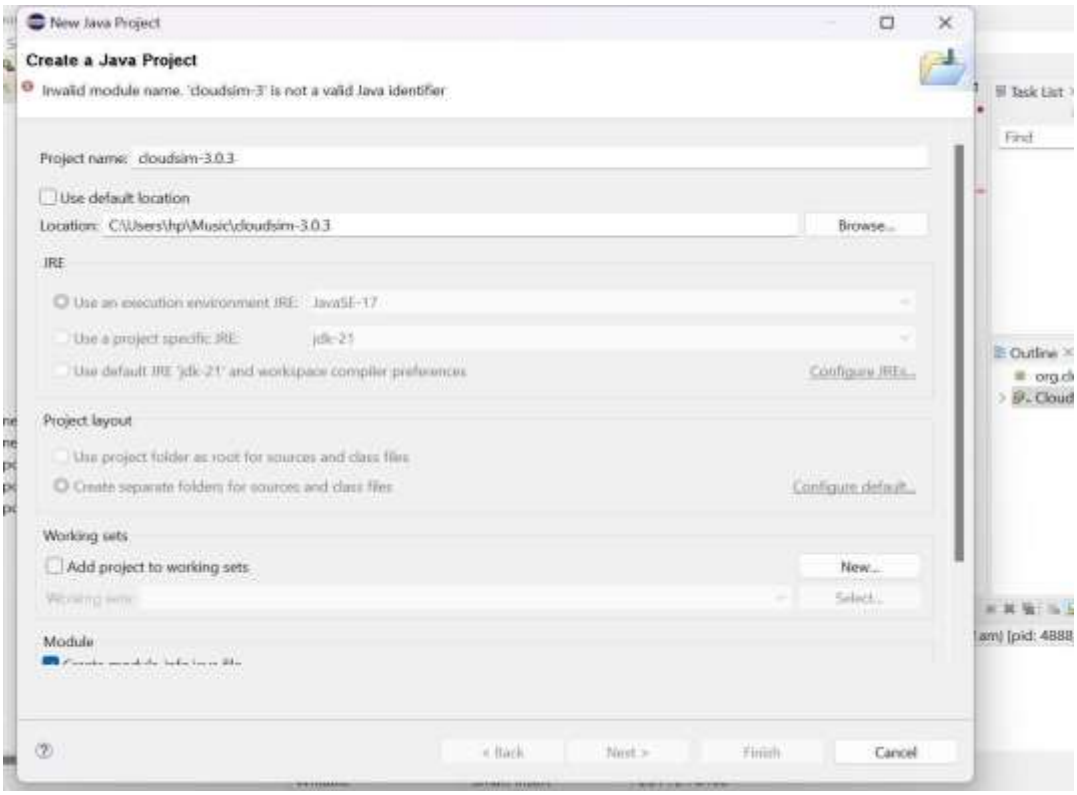


Step 3: Now download the Common Math library from the Apache Commons website i.e. [commons-math3-6.1-beta1-bin.zip]

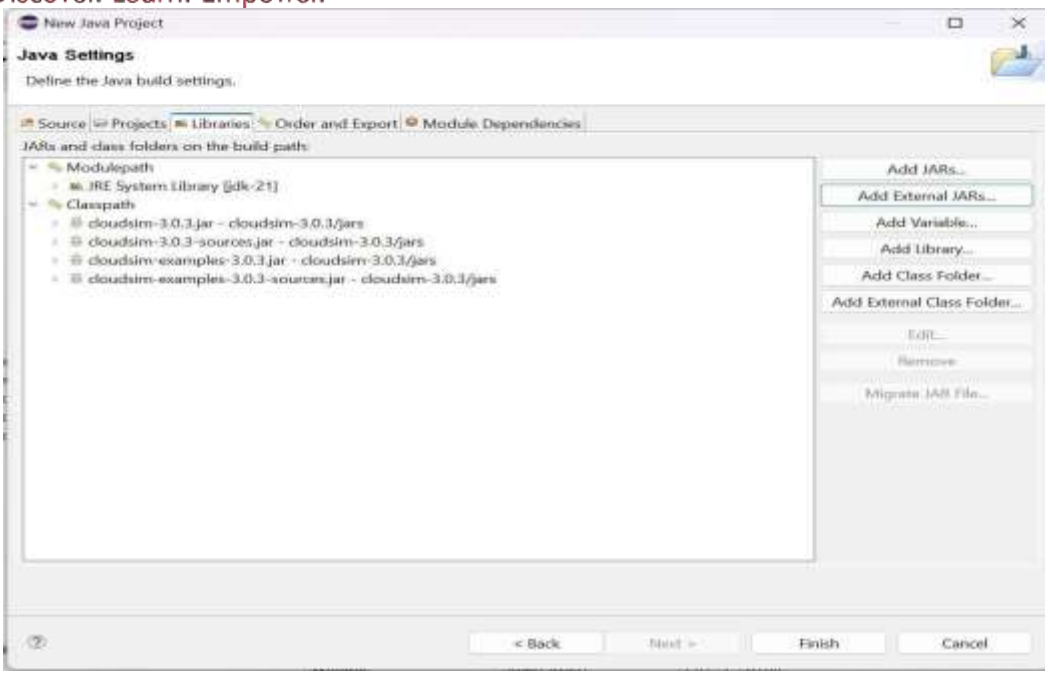


Step 4: After the install the eclipse.exe file and cloudsim.zip the execute the .exe in the virtual machine and extract the cloud-sim zip file in the virtual machine .

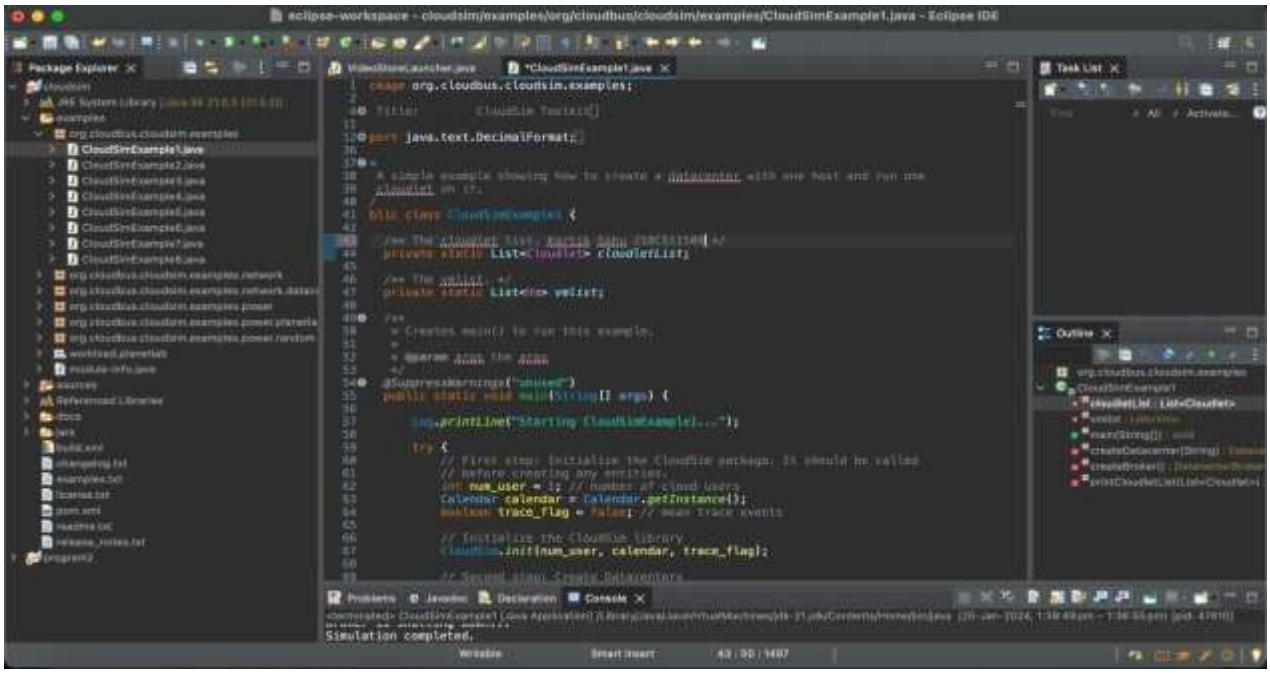
Step 5: Open the Eclipse and create the new project in the virtual machine.



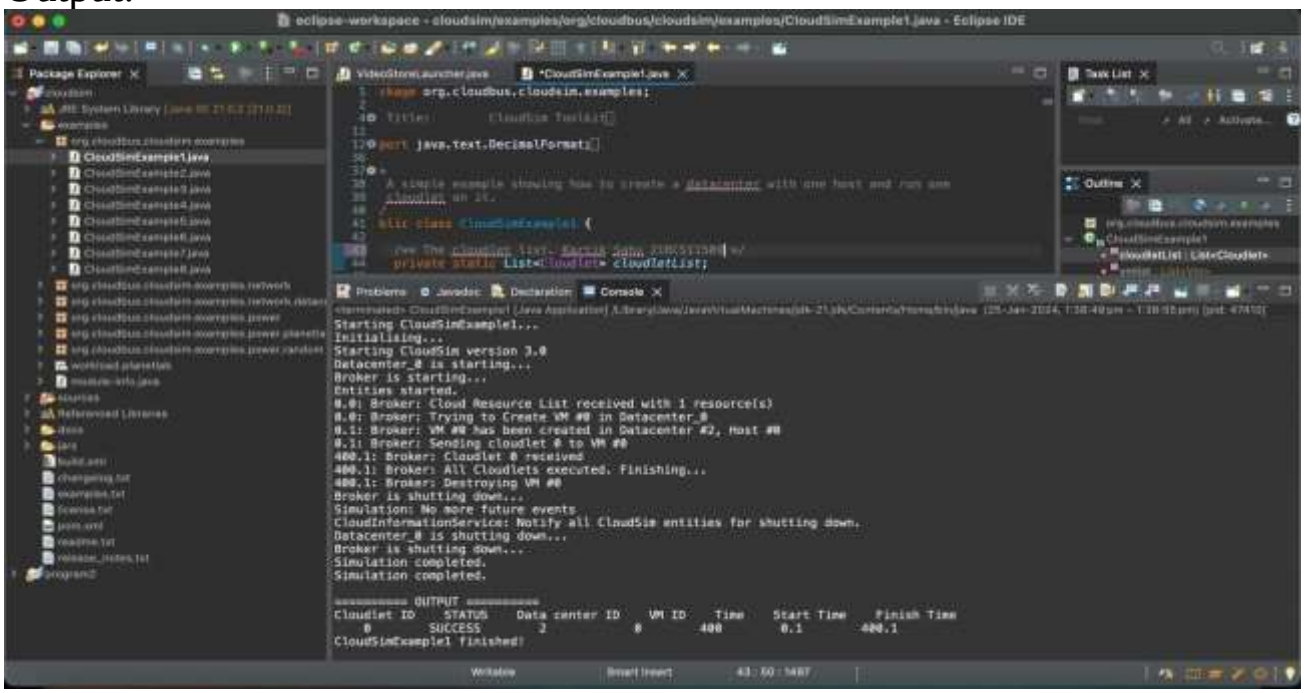
Step 5: Click on Next, then go to libraries , Add external JARs and add the JAR file from the common math package downloaded from apache website and then click on finish.



Step 6:After configuring the new Project, Go to file and open a new java executable file , Write the source code for the application and run the application.



Output:



Learning Outcome:

- Learn how to install the Eclipse in the virtual machine.
- Learn how to install the Cloud-Sim and IDE in the virtual machines.
- Understand the concept of Virtualization.
- Learn how to simulate in Eclipse using the Cloud-Sim IDE.
- Learned to manage and allocate the system resources like RAM, CPU and Disk Space for Virtual Machines.