# Ex No:11 14.10.24

# **CloudSIM and CloudAnalyst**

## Aim:

To simulate the Cloud Scenarios using CloudSim and Performance analysis using CloudAnalyst

#### **Procedure:**

### **Simulation using CloudSIM:**

1.https://github.com/Cloudslab/cloudsim/releases and download the source code(zip file)

# CloudSim 5.0 Pre-release



2.Go to the link <a href="https://commons.apache.org/proper/commons-math/download\_math.cgi">https://commons.apache.org/proper/commons-math/download\_math.cgi</a> and download math4-4.0-beta1-bin.zip file and extract the file

# **Apache Commons Math 4.0-beta1 (requires Java 8+)**

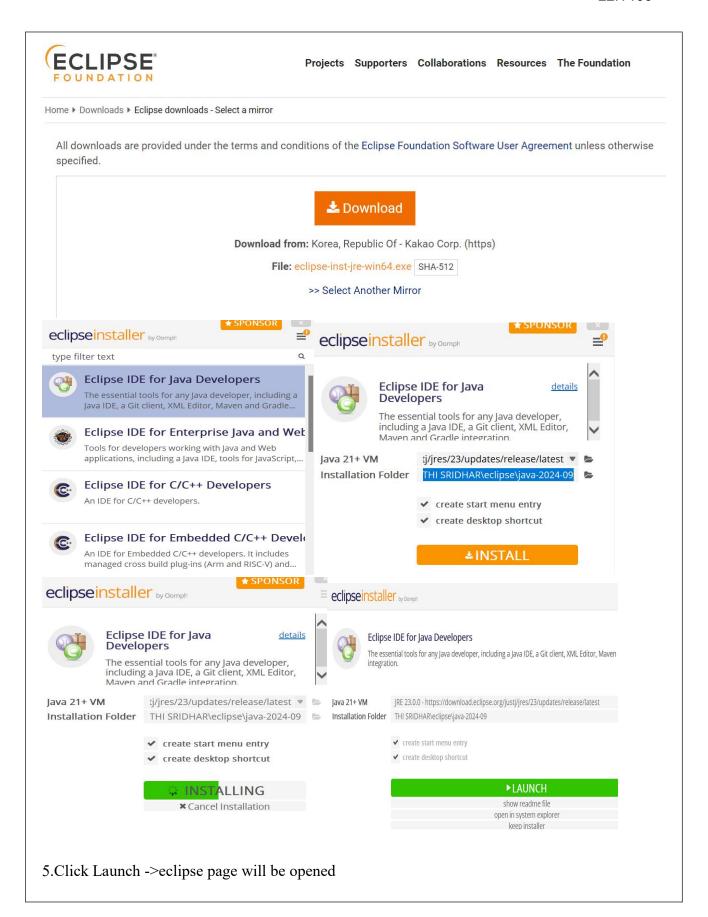
# **Binaries**

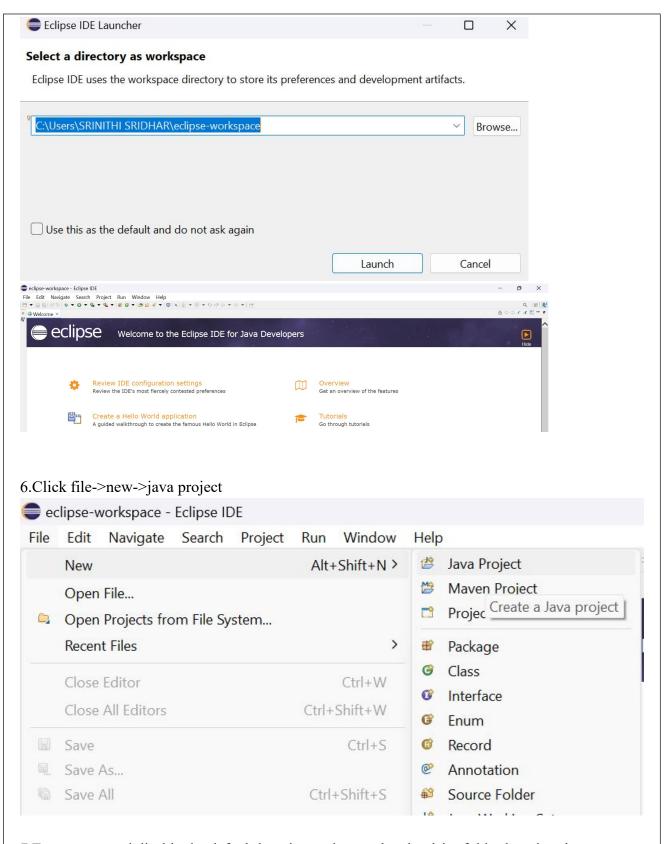


3. Install Eclipse from the google

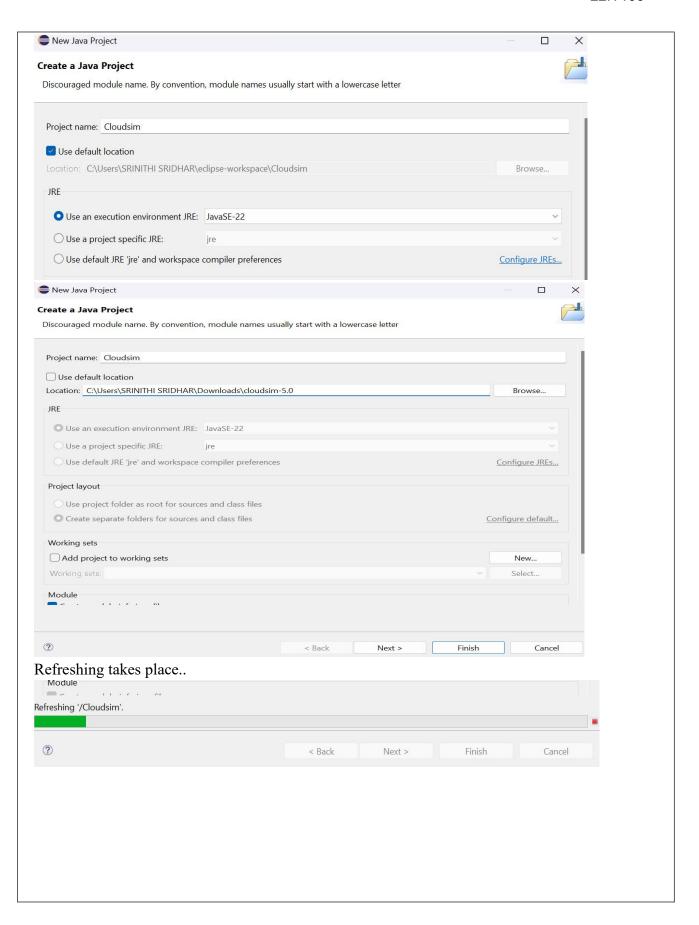


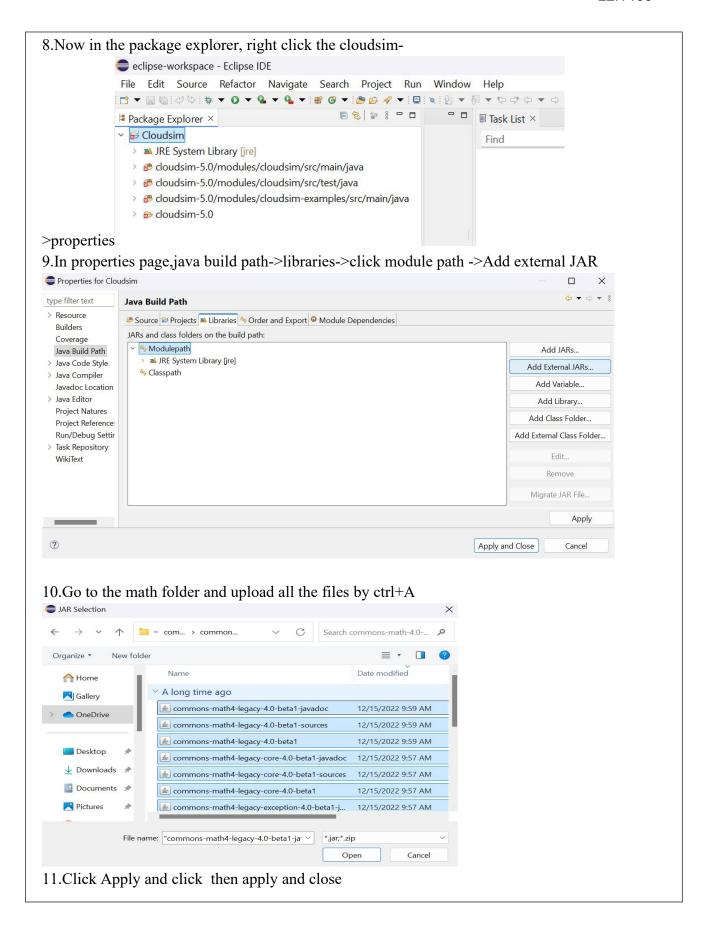
4.Click download->choose eclipse IDE for java Developers->Install->Launch

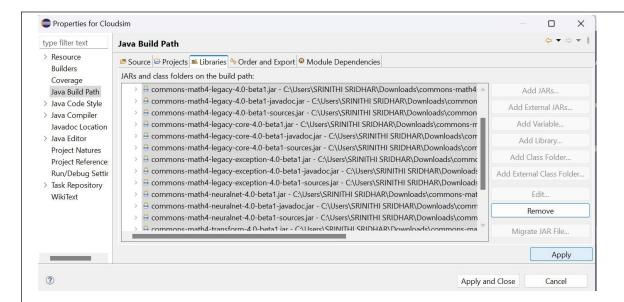




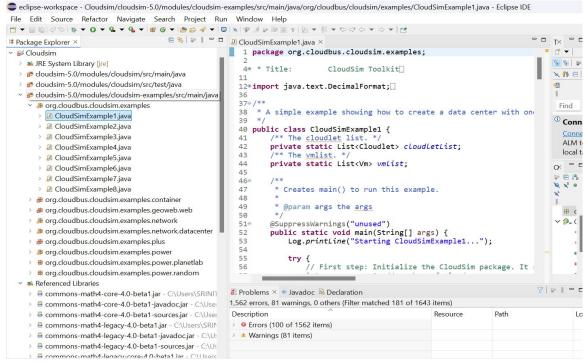
7.Enter name and disable the default location and enter the cloudsim folder location that you downloaded from the github and click finish



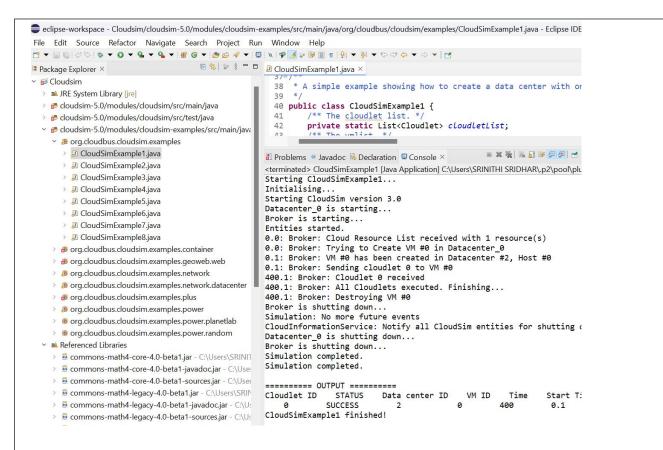




12.Now go to eclipse web page->under cloudsim->cloudsim-5.0/modules/cloudsim-examples..->open the first folder->click the example1.java and the code will be visible ->run the code

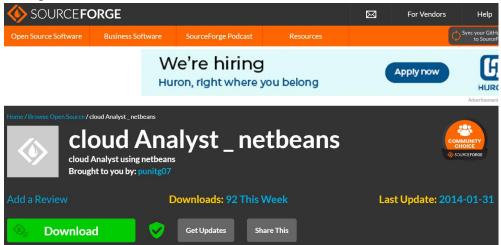


13.Output will be printed on the console as example finished



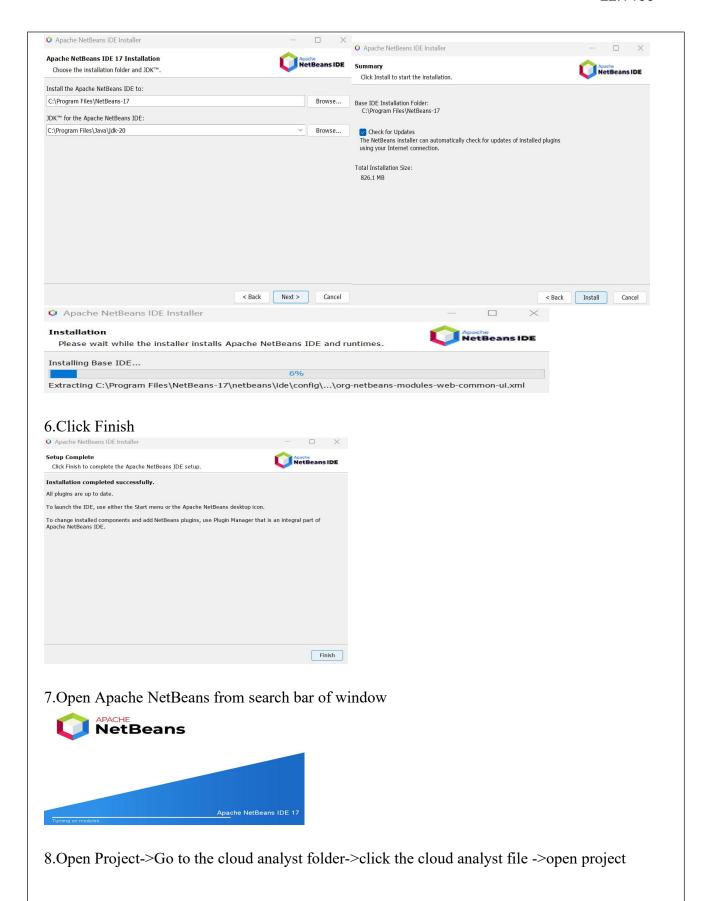
# Performance Analysis using cloud Analyst:

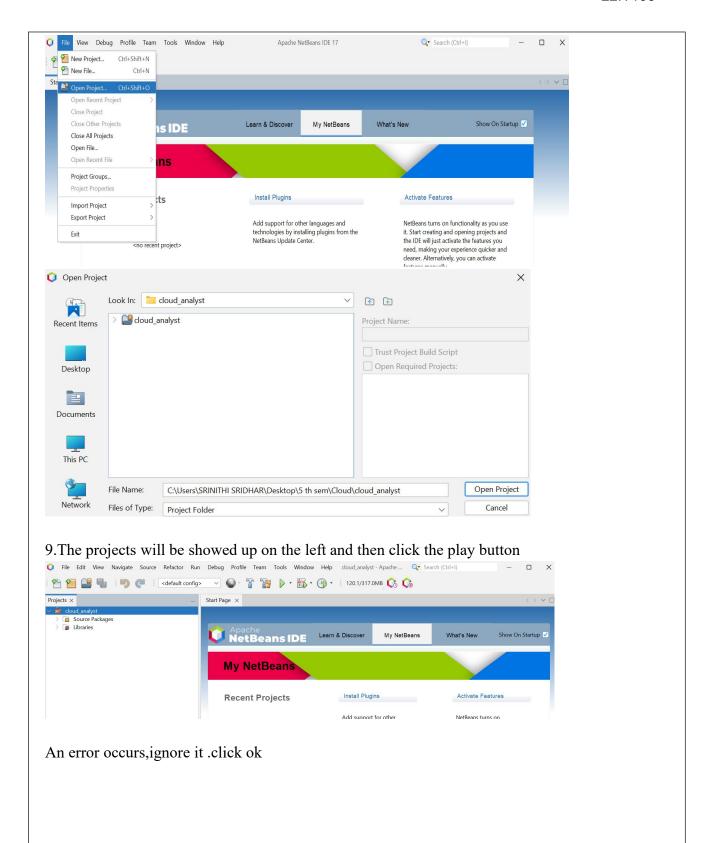
1.Go to the link <a href="https://sourceforge.net/projects/cloudanalystnetbeans/">https://sourceforge.net/projects/cloudanalystnetbeans/</a> and download ->extract the zip file

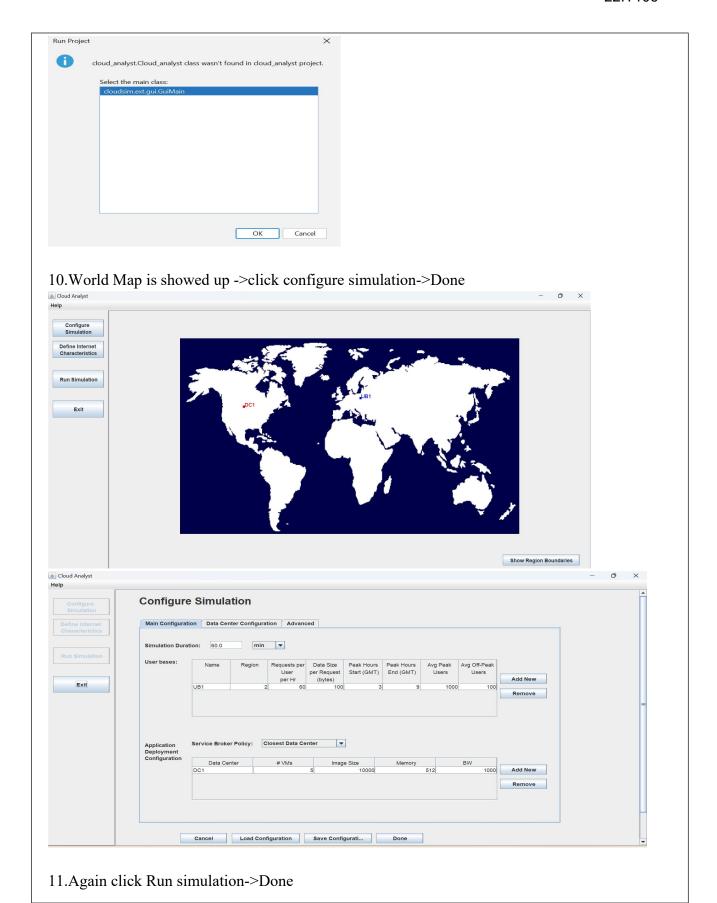


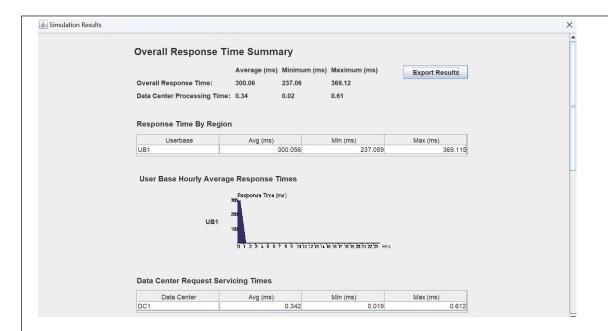
2. Go to the link <a href="https://netbeans.apache.org/front/main/download/nb17/index.html">https://netbeans.apache.org/front/main/download/nb17/index.html</a> and install Apache-NetBeans-17-bin-windows-x64.exe(SHA-512,PGP ASC)











12.At last, we can get the result of the simulation.



#### **Result:**

Thus the simulation of cloud scenarios and performance analysis using cloud analyst has been executed successfully.