Exp No: 7 **Date: 11/09/2024**

CLOUD SIMULATION

MODEL CLOUD ENVIRONMENT USING CLOUD SIM

AIM:

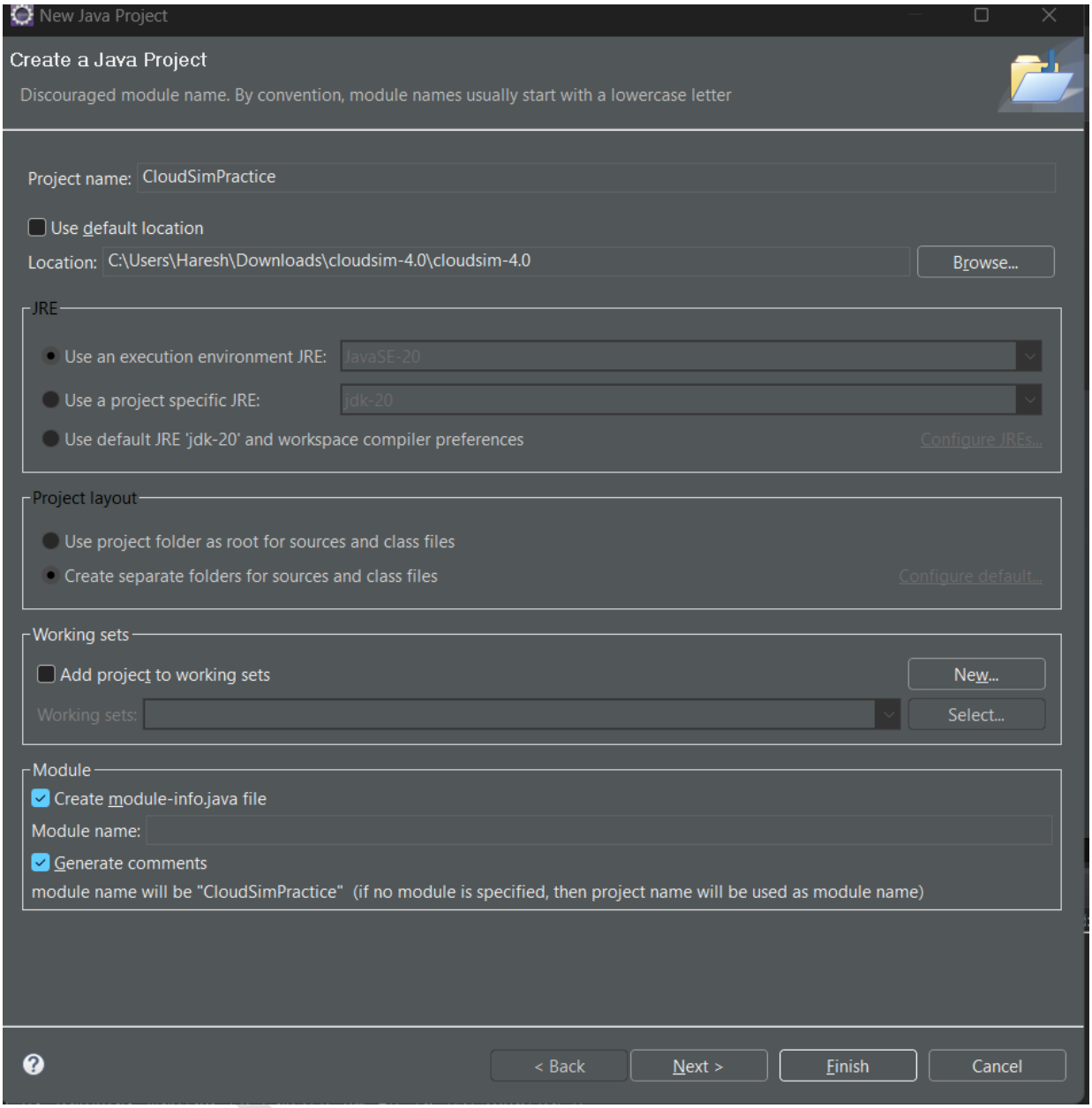
To model the cloud environment using cloud sim tools.

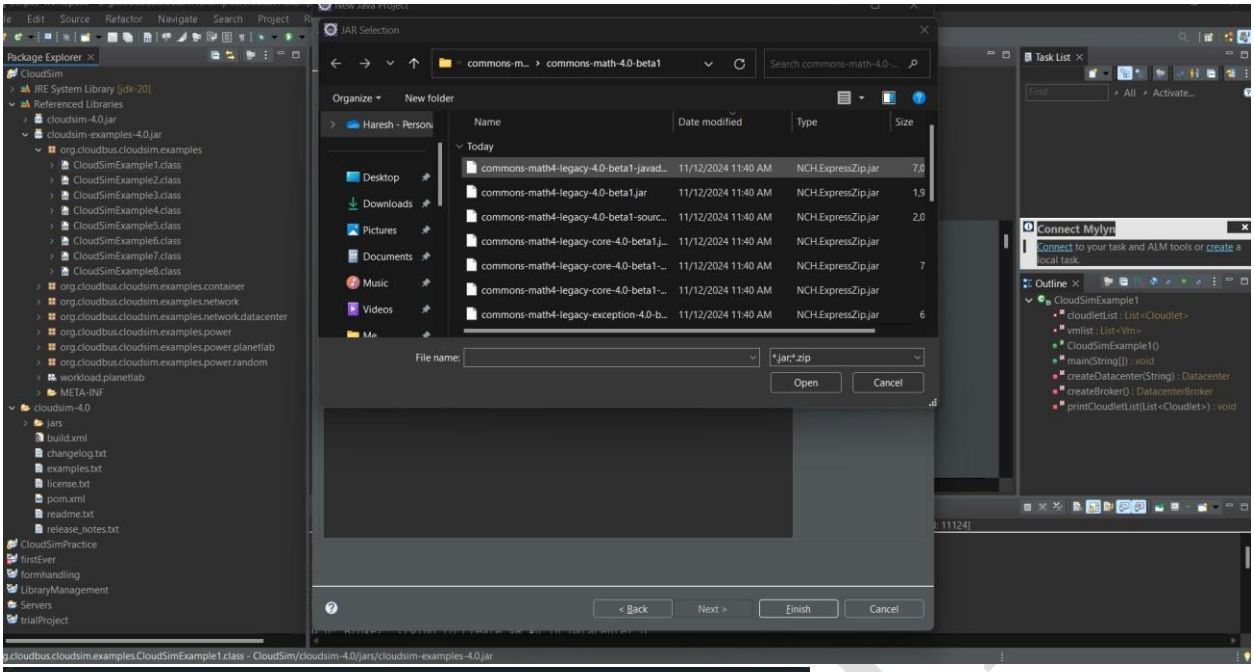
PROCEDURE:

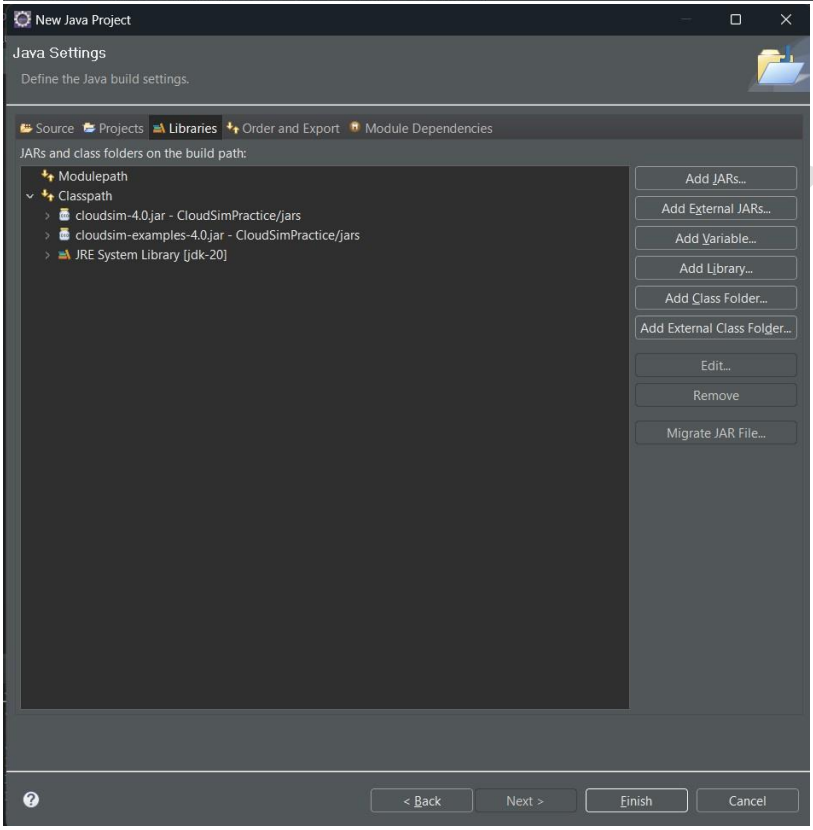
1. Now within the Eclipse window navigate the menu: File -> New -> Project, to open the new project wizard.
2. Select the 'Java Project' from the window popup and click Next.
3. Unselect the 'Use default location' option and then click on 'Browse' to open the path where you have unzipped the Cloud Sim project and finally click Next to set project settings.
4. Now select the example program from folder examples from the unzipped folder.
5. Run the sample program

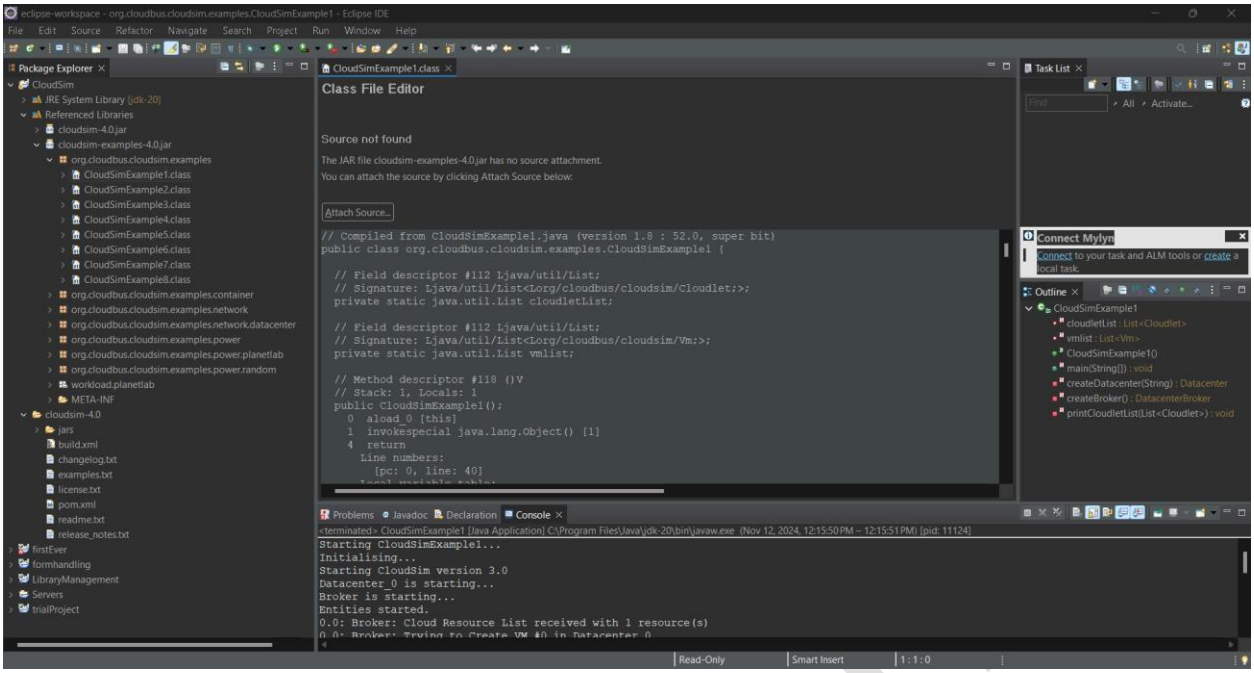
OUTPUT:

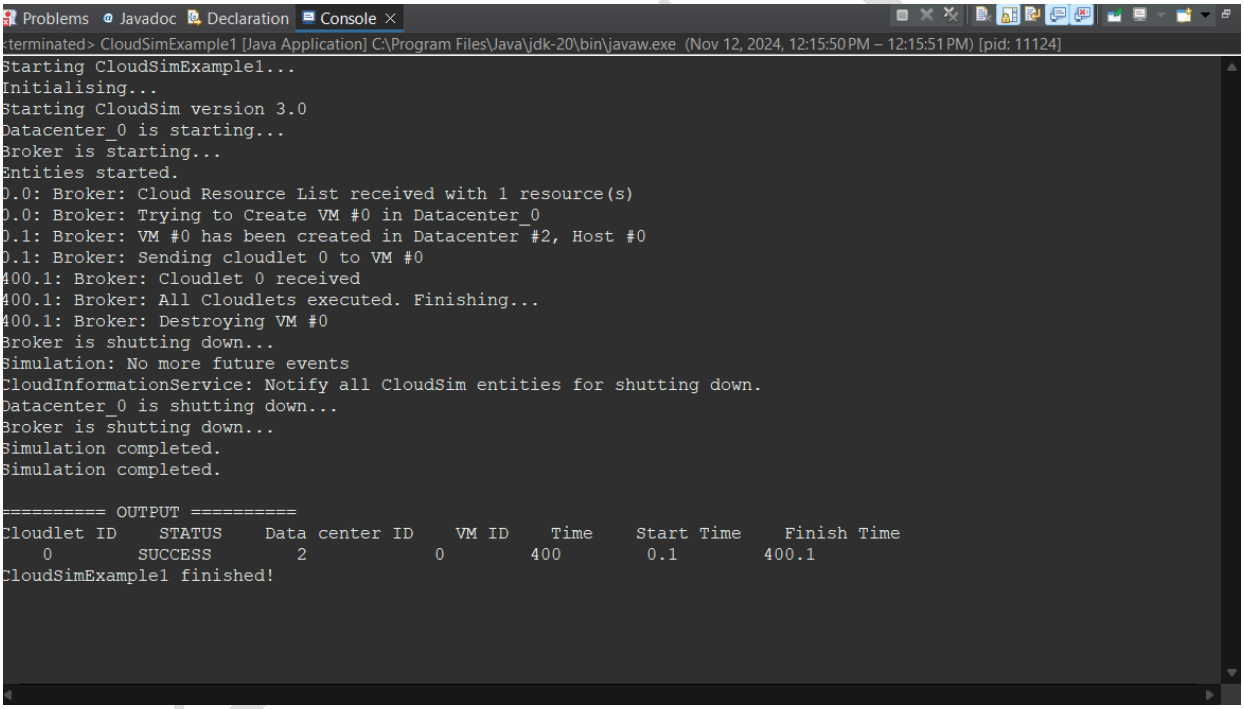
210701126


New Java Project
Create a Java Project
Discouraged module name. By convention, module names usually start with a lowercase letter
Project name: CloudSimPractice
Use default location
Location: C:\Users\Haresh\Downloads\cloudsim-4.0\cloudsim-4.0
Browse...
JRE
Use an execution environment JRE: JavaSE-20
Use a project specific JRE: jdk-20
Use default JRE 'jdk-20' and workspace compiler preferences
Configure JREs...
Project layout
Use project folder as root for sources and class files
Create separate folders for sources and class files
Configure default...
Working sets
Add project to working sets
New...
Working sets:
Select...
Module
Create module-info.java file
Module name:
Generate comments
module name will be "CloudSimPractice" (if no module is specified, then project name will be used as module name)
< Back
Next >
Finish
Cancel


JAR Selection
commons-math4-legacy-4.0-beta1
Organize
New folder
Name
Date modified
Type
Size
Today
commons-math4-legacy-4.0-beta1-javad...
commons-math4-legacy-4.0-beta1.jar
commons-math4-legacy-4.0-beta1-sourc...
commons-math4-legacy-core-4.0-beta1.j...
commons-math4-legacy-core-4.0-beta1-...
commons-math4-legacy-exception-4.0-b...
11/12/2024 11:40 AM
NCH.ExpressZip.jar
File name:
.jar;.zip
Open
Cancel
< Back
Next >
Finish
Cancel
Package Explorer
CloudSim
JRE System Library [jdk-20]
Referenced Libraries
cloudsim-4.0.jar
cloudsim-examples-4.0.jar
org.cloudbus.cloudsim.examples
CloudSimExample1.class
CloudSimExample2.class
CloudSimExample3.class
CloudSimExample4.class
CloudSimExample5.class
CloudSimExample6.class
CloudSimExample7.class
CloudSimExample8.class
org.cloudbus.cloudsim.examples.container
org.cloudbus.cloudsim.examples.network
org.cloudbus.cloudsim.examples.network.datacenter
org.cloudbus.cloudsim.examples.power
org.cloudbus.cloudsim.examples.power.planetlab
org.cloudbus.cloudsim.examples.power.random
workload.planetlab
META-INF
cloudsim-4.0
jars
build.xml
changelog.txt
examples.txt
license.txt
pom.xml
readme.txt
release_notes.txt
CloudSimPractice
firstEver
formhandling
LibraryManagement
Servers
trialProject
Task List
Connect Mylyn
Connect to your task and ALM tools or create a local task.
Outline
CloudSimExample1
cloudletList : List<Cloudlet>
vmlist : List<Vm>
CloudSimExample1()
main(String[]) : void
createDatacenter(String) : Datacenter
createBroker() : DatacenterBroker
printCloudletList(List<Cloudlet>) : void


New Java Project
Java Settings
Define the Java build settings.
Source
Projects
Libraries
Order and Export
Module Dependencies
JARs and class folders on the build path:
Modulepath
Classpath
cloudsim-4.0.jar - CloudSimPractice/jars
cloudsim-examples-4.0.jar - CloudSimPractice/jars
JRE System Library [jdk-20]
Add JARs...
Add External JARs...
Add Variable...
Add Library...
Add Class Folder...
Add External Class Folder...
Edit...
Remove
Migrate JAR File...
< Back
Next >
Finish
Cancel





RESULT:

Cloud environment has been successfully modelled using cloud sim tools.