

EX.NO:07

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CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

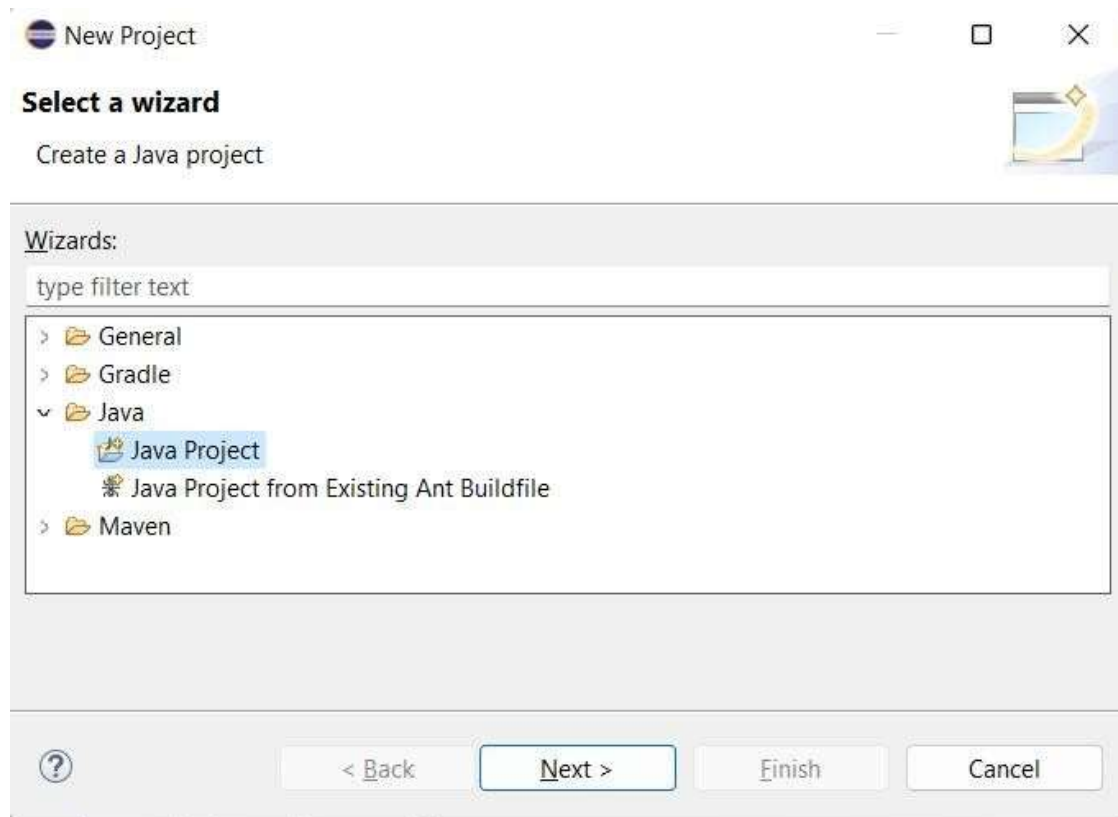
AIM:

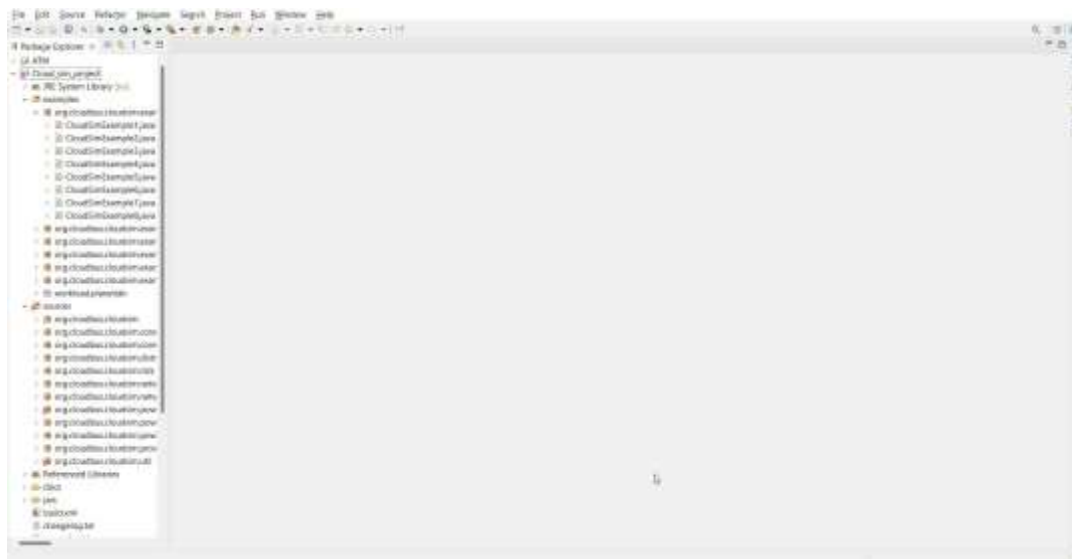
To model the cloud environment using cloud sim tools.

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 Cloudsim 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:

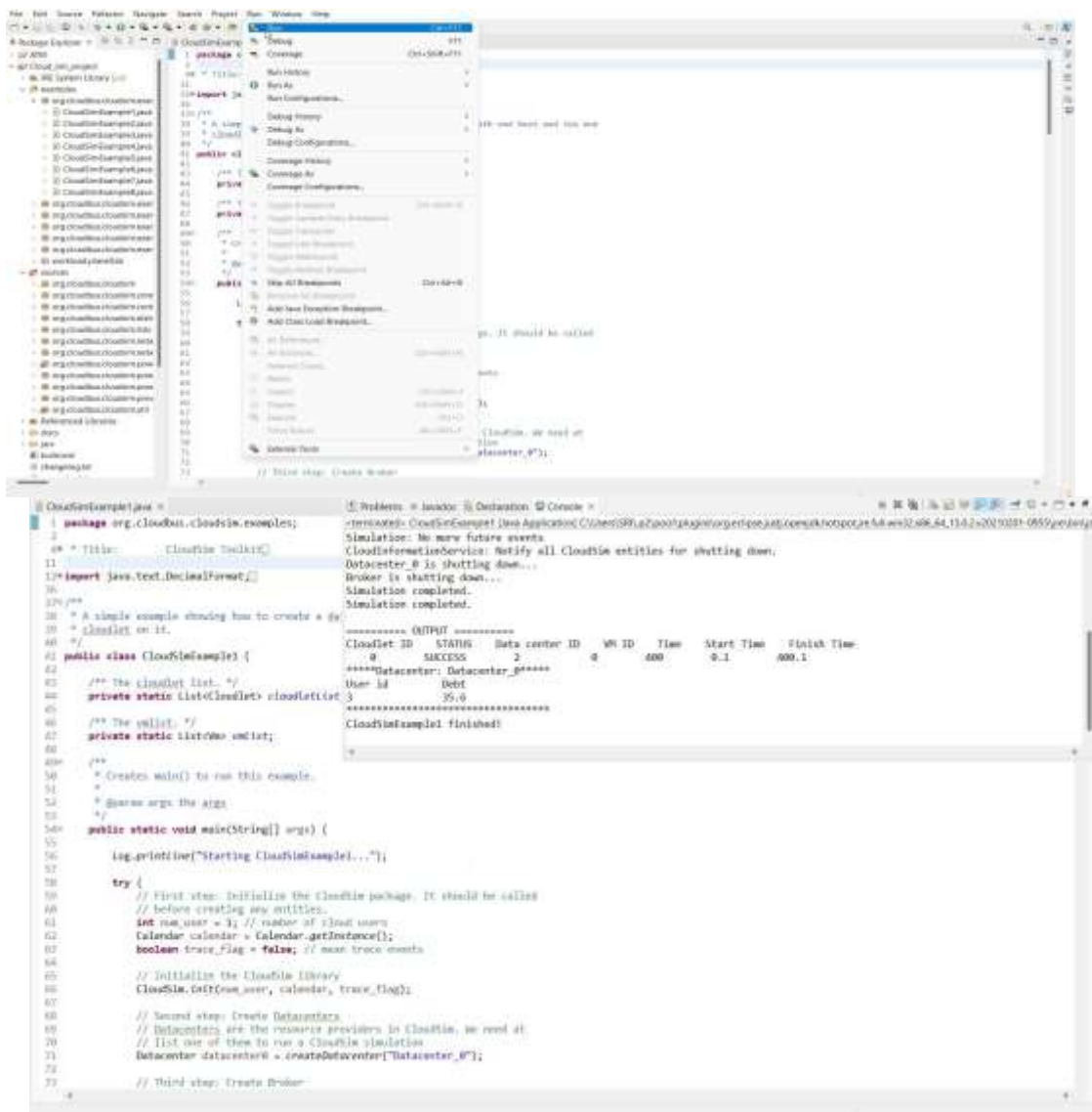




```

1 package org.cloudbus.cloudsim.examples;
2
3 /** Title: CloudSim Toolkit */
4
5 import java.text.SimpleDateFormat;
6
7 /**
8  * A simple example showing how to create a datacenter with one host and run one
9  * cloudlet on it.
10  */
11 public class CloudSimExample1 {
12
13     /** The cloudlet list. */
14     private static List<Cloudlet> cloudletList;
15
16     /** The simulator. */
17     private static List<Host> hostList;
18
19     /**
20      * (main method) to run this example.
21      *
22      * @param args the args
23      */
24     public static void main(String[] args) {
25
26         log.priority("Starting CloudSimExample1...");
27
28         try {
29             // First step: Initialize the CloudSim package. It should be called
30             // before creating any entities.
31             int numUsers = 1; // number of cloud users
32             Calendar calendar = Calendar.getInstance();
33             boolean traceFlag = false; // trace events
34
35             // Initialize the CloudSim library
36             CloudSim.init(numUsers, calendar, traceFlag);
37
38             // Second step: Create Datacenters
39             // Datacenters are the resource providers in CloudSim. We need at
40             // least one of them to run a CloudSim simulation.
41             Datacenter datacenter0 = createHostcenter("Datacenter_0");
42
43             // Third step: Create Broker

```



RESULT:

Thus, the cloud environment was modeled using the cloud sim tool and eclipse.