EX.NO:07 REG.NO:210701259

CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

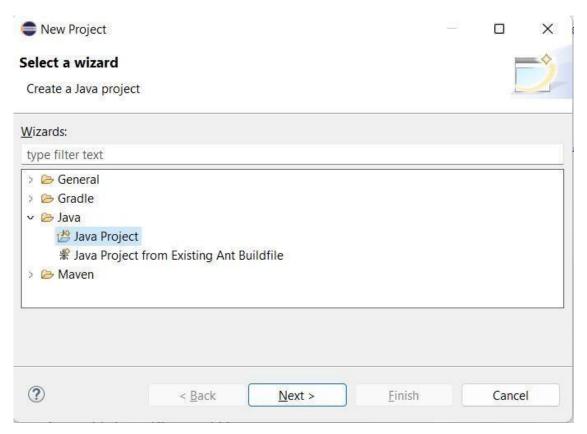
AIM:

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:



```
Run History
Run As
Run Configurat
                                                                                                       /** T
priva
                                                                                                      publi Skip All Breakpoints
Remove All Breakpoint
Add Java Evrention B
                                                                                                                                                                                                                                                                          ge. It should be called
      | Problems | Javadoc | Declaration | Console × | Leminated: CloudSim.examples | Simulation: No more future events | CloudSim Toolkit| | Oatcenter_0 is shutting down... | Broker is shutting down... | Broker is shutting down... | Simulation completed. | Simulation complet
 1 package org.cloudbus.cloudsim.examples;
   2
4* * Title:
11
12*import java.text.DecimalFormat;
                      A simple example showing how to create a dar cloudlet on it.

cloudlet ID STATUS Data center ID VM ID Time Start Time Finish Time 0 400 0.1 400.1

****Data center: Datacenter=0*****

User id Debt private static List</br>
****Data Cloudlet Dist.*/

User id Debt 3 3 35.6
         public class CloudSimExample1 {
                      /** The vmlist. */
private static List<Vm> vmlist;
                                                                                                                                                                                      CloudSimExample1 finished!
                      /**
* Creates main() to run this example.
                                * @param args the args
                        public static void main(String[] args) {
                                      Log.printLine("Starting CloudSimExample1...");
                                     try {
    // First step: Initialize the CloudSim package. It should be called
    // before creating any entities.
    int num_user = 1; // number of cloud users
    Calendar calendar = Calendar.getInstance();
    boolean trace_flag = false; // mean trace events
                                                     // Initialize the CloudSim library
CloudSim.init(num_user, calendar, trace_flag);
                                                      // Second step: Create <u>Datacenters</u>
// <u>Datacenters</u> are the resource providers in CloudSim. We need at
// list one of them to run a CloudSim simulation
Datacenter datacenter0 = createDatacenter("Datacenter_o");
                                                      // Third step: Create Broker
```

RESULT:

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