Exp No: 7 Date:

CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

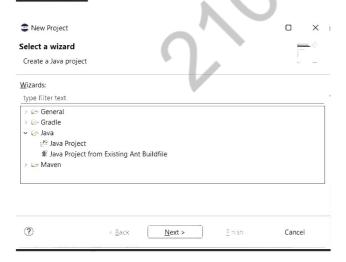
AIM:

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:



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```
package org.cloudbus.cloudsim.examples;
 2
4+ * Title: CloudSim Toolkit□
12+ import java.text.DecimalFormat;
     * A simple example showing how to create a dar cloudlet on it.
        A simple example showing how to create a darchoulet on it.

Cloudlet ID STATUS Data center ID VM ID Time Start Time Finish Time Plic class CloudSimExample {

0 SUCCESS 2 0 400 0.1 400.1

****Data center _0*****

User id Debt private static List<Cloudlet ist. */

/** The vmlist. */

CloudSimExample1 finished!
   public class CloudSimExample1 {
         /** The vmlist. */
private static List<Vm> vmList;
         /**

* (reates 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 Datacenters
// Datacenters are the resource providers in CloudSim. We need at
// list one of them to run a CloudSim simulation
Datacenter datacenter0 = createDatacenter("Datacenter_0");
                     // Third step: Create Broker
```

RESULT:

Thus, the cloud environment using cloud sim tools has been modelled.