EX.NO:07 REG.NO:210701260

CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

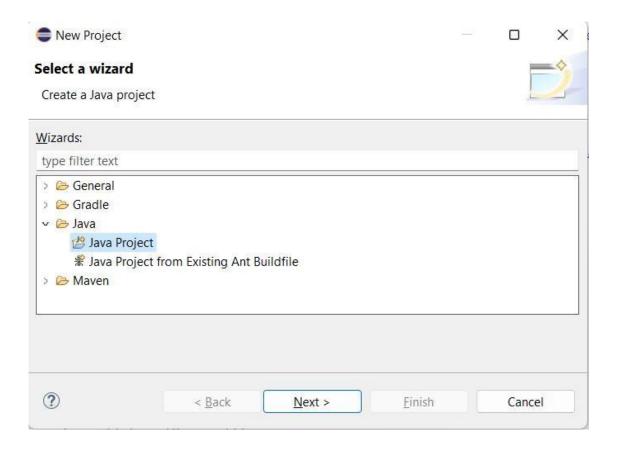
AIM:

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:



```
; ith one host and run one
                                                                                                      publi Skip All Breakpoints
Remove All Breakpoints
                                                                                                            Remove All Breakpoints

L 4 Add Java Exception Breakpoint...

† G Add Class Load Breakpoint...
           Problems # Javadoc Declaration Oconsole ×

terminated CloudSim.examples;

** Title: CloudSim Toolkit| Simulation: No more future events

CloudInformationService: Notify all CloudSim entities for shutting down.

Broker is shutting down...

Simulation completed.

* A simple example showing how to create a da

** CloudInformationService: Oliper Service Servic
CloudSimExample1.java ×
       1 package org.cloudbus.cloudsim.examples;
         40 * Title: CloudSim Toolkit
     12* import java.text.DecimalFormat;
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                            /** 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 = (clandar.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_0");
                                                        // Third step: Create Broker
```

RESULT:

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