EX.NO:07 REG.NO:210701510

## DATE:

# CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

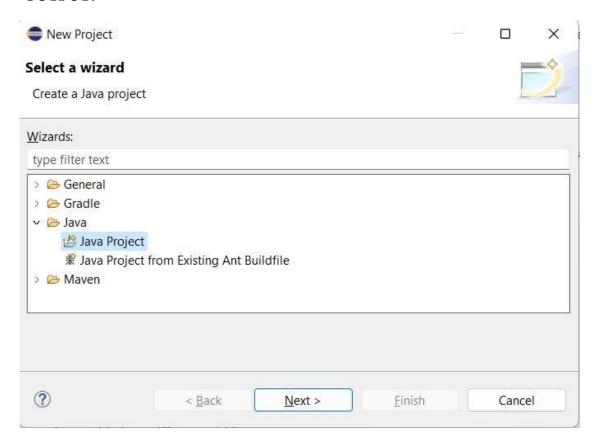
## AIM:

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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                                                                                                                                                               | A | A | Simple |
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                                                                                                                                                                                                                             L Add Java Exception Breakpoint...

Add Class Load Breakpoint...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ge. It should be called
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CloudSim. We need at tion
atacenter_0*);
                                                                                                                                                                                              // Third step: Create Broker
                             ☑ CloudSimExample1 iava ×
                                                                                A simple example showing how to create a day cloudlet on it.

Cloudlet ID STATUS Data center ID VM ID Time Start Time Finish Time by Start Time Finish Time and Cloudlet I ist. "/ User id Debt private static List<clowdlet: 3 35.6

/** The vmlist. */ CloudletIst. */ Clou
                                                                                                                                                                                                                                                                                                                                               CloudSimExample1 finished!
                                                                                                      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_0");
```

## **RESULT:**

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