EX.NO:07 REG.NO:210701295

DATE:

CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

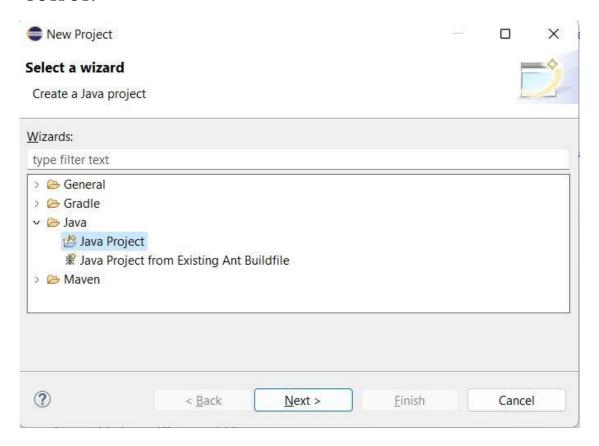
AIM:

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:



```
L J Add Java Exception Breakpoint.

† Ø Add Class Load Breakpoint..
                                                                                                                                                                                                                                                                                        ge. It should be called
                                                                                                                                                                                                                                                         Ctri-Shin-I
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CloudSim. We need at
tion
atacenter_0");
                                                                                                                    // Third step: Create Broker
                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.