EX.NO:07 REG.NO:210701297

DATE:

CLOUD SIMULATION MODEL CLOUD ENVIRONMENT USING CLOUD SIM

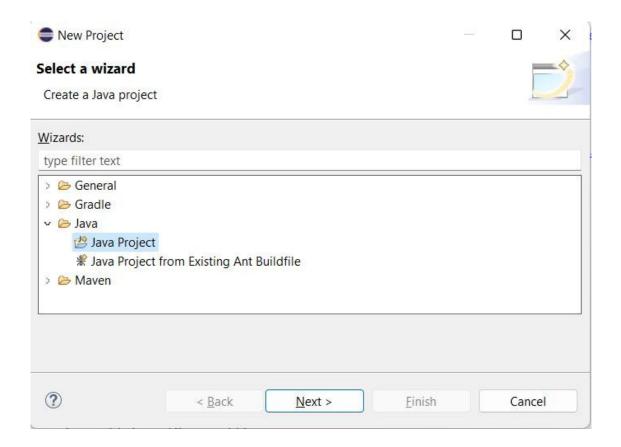
AIM:

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 Breakport

**Add Class Load Breakpoint.**
                                                                                                                            ge. It should be called
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CloudSim. We need at tion
atacenter_0");
                                                             External Tools
                                                  // Third step: Create Broker
       Problems @ Javadoc & Declaration © Console × cterminated > CloudSimExample! Dava Application | C\Users\SRN\p2\poo\plugins\org.edlipse.justj.openjdk.hotspot.jre.full.win32.x86,64_15.02.v20210201-0955\jre\bin\jre. Simulation: No more future events CloudInformationservice: Notify all CloudSim entities for shutting down.

Datacenter_0 is shutting down...
Simulation completed.

Simulation completed.
      ☐ CloudSimExample1.iava ×
                                                                                           ----- OUTPUT ----
                    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.