### **Server Monitoring System**

Languages Used : Java

Version: JDK 11

### Design:

The Monitoring system has two main classes LogGenerator and Query Tool

1) LogGenerator: The task of LogGenerator is to print logs to 1000 files, one file for each server for a day.

The logs are printed for every minute from both the CPUs of each server.

Design Analysis: The generator logs a file completely before opening another file of a different server. In this way there will be less number of file open operations.

2) Query Tool: The QueryTool is used to query the given command.

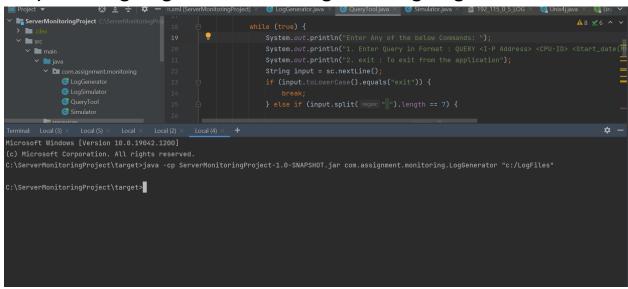
It takes the Directory Path, IP-address, CPU-ID, Start\_Date, End Date as the arguments.

### Steps for Compilation

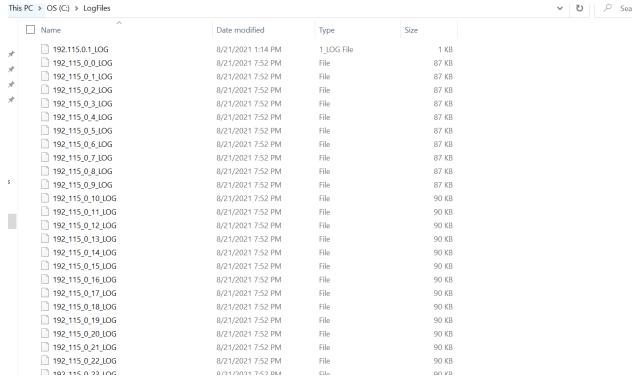
- 1) Download the jar file -> go to the specific directory where jar file resides
- 2) Command to run Generator->
  java -cp ServerMonitoringProject-1.0-SNAPSHOT.jar
  com.assignment.monitoring.LogGenerator "c:\LogFiles"
- 3) Command to run Query Tool -> java -cp ServerMonitoringProject-1.0-SNAPSHOT.jar com.assignment.monitoring.QueryTool "c:\LogFiles"

#### **Screen shots**

1) Running Log Generator and generating Log Files



# 2)The files are created in the specified directory



### 3)Run the command for the Query tool

## 4) Execute accordingly with the expected input

```
ServerMonitoringProject ClServerMonitoringProject ClServerMonitoringPr
```