

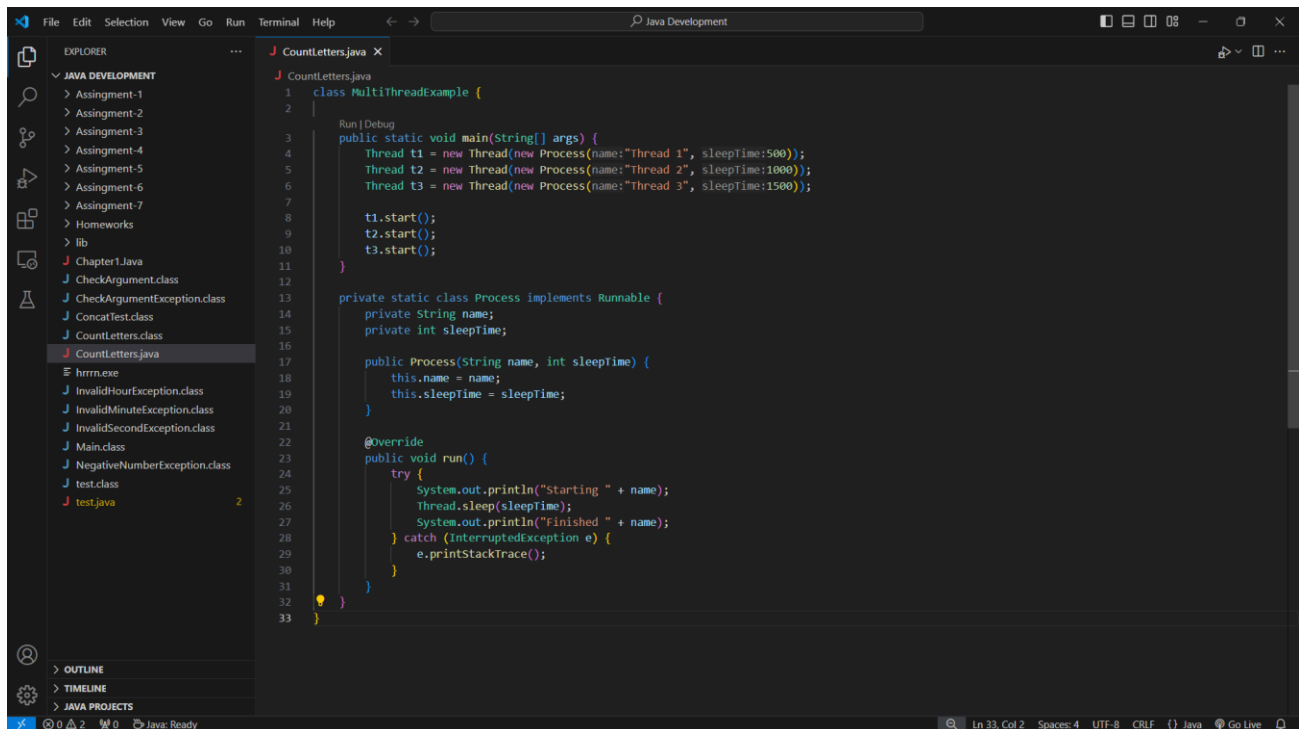
SUBMITTED BY: -

KANISHK

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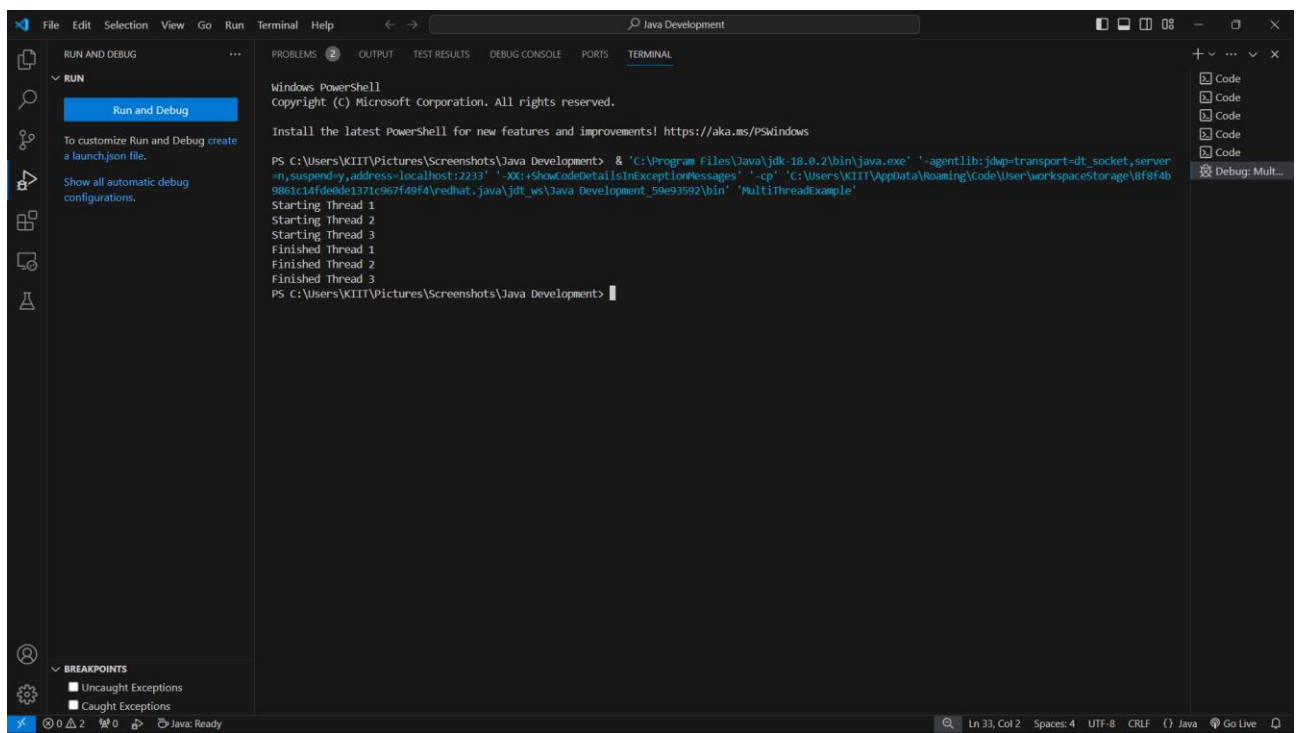
CSE-37

Q1- .



```
1 class MultithreadExample {
2
3     Run | Debug
4     public static void main(String[] args) {
5         Thread t1 = new Thread(new Process(name:"Thread 1", sleepTime:500));
6         Thread t2 = new Thread(new Process(name:"Thread 2", sleepTime:1000));
7         Thread t3 = new Thread(new Process(name:"Thread 3", sleepTime:1500));
8
9         t1.start();
10        t2.start();
11        t3.start();
12    }
13
14    private static class Process implements Runnable {
15        private String name;
16        private int sleepTime;
17
18        public Process(String name, int sleepTime) {
19            this.name = name;
20            this.sleepTime = sleepTime;
21        }
22
23        @Override
24        public void run() {
25            try {
26                System.out.println("Starting " + name);
27                Thread.sleep(sleepTime);
28                System.out.println("Finished " + name);
29            } catch (InterruptedException e) {
30                e.printStackTrace();
31            }
32        }
33    }
```

OUTPUT: -



```
Windows PowerShell
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PS C:\Users\KITT\Pictures\Screenshots\Java Development> & 'C:\Program Files\Java\jdk-18.0.2\bin\java.exe' '-agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:2233' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\KITT\AppData\Roaming\Code\User\workspaceStorage\8f8f4b9861c14fde0d1371c967f49f4\redhat.java\jdk_ws\Java Development_59e93592\bin' 'MultiThreadExample'
Starting Thread 1
Starting Thread 2
Starting Thread 3
Finished Thread 1
Finished Thread 2
Finished Thread 3
PS C:\Users\KITT\Pictures\Screenshots\Java Development> |
```