LAB PROGRAM – 9

INPUT:

```java
1   class CollegeThread implements Runnable
2   {
3       String name;
4       int time;
5       Thread t;
6       CollegeThread(String threadname, int sleeptime)
7       {
8           name = threadname;
9           time = sleeptime;
10          t = new Thread(this, name);
11          System.out.println("New thread: " + t);
12          t.start();
13      }
14
15      public void run()
16      {
17          try
18          {
19              for(int i = 5; i > 0; i--)
20              {
21                  System.out.println(name + " : " + i);
22                  Thread.sleep(time);
23              }
24          }
25          catch (InterruptedException e)
26          {
27              System.out.println(name + "Interrupted");
28          }
29          System.out.println(name + " exiting.");
30      }
31  }
```

```java
33  class TwoThreads
34  {
35      public static void main(String args[])
36      {
37          new CollegeThread("BMS College of Engineering", 10000);
38          new CollegeThread("CSE", 2000);
39          try
40          {
41              Thread.sleep(52000);
42              System.out.println("\n<------------------------------------>");
43          }
44          catch (InterruptedException e)
45          {
46              System.out.println("Main thread Interrupted");
47          }
48          System.out.println("Program execution is done!!!");
49      }
50  }
```

OUTPUT:

```
Command Prompt                                                    —   □   ✕

C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>javac Threads.java

C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>java TwoThreads
New thread: Thread[BMS College of Engineering,5,main]
New thread: Thread[CSE,5,main]
BMS College of Engineering : 5
CSE : 5
CSE : 4
CSE : 3
CSE : 2
CSE : 1
BMS College of Engineering : 4
CSE exiting.
BMS College of Engineering : 3
BMS College of Engineering : 2
BMS College of Engineering : 1
BMS College of Engineering exiting.

<------------------------------------->
Program execution is done!!!

C:\Users\91944\OneDrive\Desktop\OOJLAB\Week_11>
```