```
Lab - 4
```

Class NewThread 1 implements Rounable & Thread to; String name; New Throad (String tolorme) of name = taname. += new Thread (this name): System. out println ("New Thread: "++); t. etant (); public void sencif 2 post Jon (1+1) ; 0=1 (+1) Joh System at println ("BMS college of engineering" Thread eleop (10000) catch (Interrupted Exception e) [System. out. println (namete): Systemio at printly ("name + "criting"); chee New Thread 2 implemente Runnalle & Thread of ! String name; New Thread 2 (String Edname) { name = Idname . t = new Thread (this, name); System. out. println (" New thread: "++);

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```
public void run cs f
  try ?
       f(++ic, '012 ic, 0= ichn') rot
        System. out-println ("CSB");
       3 Thread. eleep (2000);
     catch (Interrupted Exception e) {
      3 System.out.println (* name + e);
    System.out. println ("name +"exiting");
chall Thread Demo &
  public Static void main (String age [7) of
        new New Threads ("Thread One");
        new NewThread & ("Thread Two");
       1 Thrad. eleop (100000))
     cotch (Interrupted Exception e) {

Systemout.println ("Main Threadthead");
}
   System.out.println("Exiting Main Thread")
```

```
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fent java 🗵 📙 Internals java 🗵 📙 Result java 🗵 📙 Generics java 🗵 🗎 Exception Handling java 🗵 📋 Thread Demo java 🗵
 class NewThread1 implements Runnable{
       Thread t:
       String name;
       NewThread1 (String tdname) {
           name=tdname;
           t=new Thread(this, name);
           System.out.println("New Thread: "+t);
           t.start();
       public void run() {
           try{
                for(int i=0;i<10;i++) {
                System.out.println("BMS College of Engineering");
                Thread.sleep (10000);
           catch(InterruptedException e)
                System.out.println(name +e);
           System.out.println(name+" exiting");
 Class NewThread2 implements Runnable{
       Thread t;
       String name;
       NewThread2 (String tdname) {
           name=tdname;
           t=new Thread(this, name);
           System.out.println("New Thread: "+t);
           t.start();
       public void run() {
           try{
                for(int i=0;i<10;i++) {
                System.out.println("CSE");
urce file
                                                                             length: 1,22
```

```
29
           NewThread2 (String tdname) {
30
               name=tdname;
31
               t=new Thread(this, name);
32
               System.out.println("New Thread: "+t);
33
               t.start();
34
35
          public void run() {
36
               try{
37
                   for (int i=0;i<10;i++) {
38
                   System.out.println("CSE");
39
                   Thread.sleep(2000);
40
                   }
41
42
               catch(InterruptedException e)
43
44
                   System.out.println(name +e);
45
46
47
               System.out.println(name+" exiting");
48
49
50
51
     -class ThreadDemo{
52
          public static void main (String args[]) {
               new NewThread1 ("Thread One");
53
54
               new NewThread2 ("Thread Two");
55
               try{
56
                   Thread.sleep(100000);
57
58
               catch(InterruptedException e) {
59
                   System.out.println("Main Thread: "+e);
60
               System.out.println("Main Thread exiting");
61
62
63
64
65
```

Java source file

Command Prompt

```
C:\Users\Pankaj Gupta\Desktop\lab>javac ThreadDemo.java
C:\Users\Pankaj Gupta\Desktop\lab>java ThreadDemo
New Thread: Thread[Thread One,5,main]
BMS College of Engineering
New Thread: Thread[Thread Two,5,main]
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
Thread Two exiting
BMS College of Engineering
Main Thread exiting
Thread One exiting
C:\Users\Pankaj Gupta\Desktop\lab>_
```