

## Lab - 9

class NewThread1 implements Runnable {

Thread t; String name;

NewThread1(String tname) {

name = tname;

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 tname) {

name = tname;

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("CSB");
            Thread.sleep(2000);
        }
    }
    catch (InterruptedException e) {
        System.out.println("name + e");
    }
    System.out.println("name + exiting");
}

```

```

class ThreadDemo {
    public static void main (String args[]) {
        new NewThread1 ("Thread One");
        new NewThread2 ("Thread Two");
        try {
            Thread.sleep(100000);
        }
        catch (InterruptedException e) {
            System.out.println("Main Thread" + Exiting e);
        }
        System.out.println("Exiting Main Thread");
    }
}

```



ent.java x Internals.java x Result.java x Generics.java x ExceptionHandling.java x ThreadDemo.java x

```
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");
            }
        }
    }
}
```

Source 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[]){
53         new NewThread1("Thread One");
54         new NewThread2("Thread Two");
55         try{
56             Thread.sleep(100000);
57         }
58         catch(InterruptedException e){
59             System.out.println("Main Thread: "+e);
60         }
61         System.out.println("Main Thread exiting");
62     }
63 }
64
65

```

```
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
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CSE
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CSE
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CSE
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CSE
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BMS College of Engineering
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CSE
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CSE
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CSE
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CSE
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CSE
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BMS College of Engineering
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```
Thread Two exiting
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BMS College of Engineering
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BMS College of Engineering
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BMS College of Engineering
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BMS College of Engineering
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BMS College of Engineering
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BMS College of Engineering
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BMS College of Engineering
```

```
Main Thread exiting
```

```
Thread One exiting
```

```
C:\Users\Pankaj Gupta\Desktop\lab>_
```