

class NewThread implements Runnable

```
{ String name,print;

    int delay,loop;

    Thread t;

    NewThread(String threadname,String toprint,int d,int n)

    { name = threadname;

      print=toprint;

      delay=d;

      loop=n;

      t = new Thread(this, name);

      System.out.println("New thread: " + t);

      t.start();

    }

    public void run()

    { try

      { for(int i = loop; i > 0; i--)

        { System.out.println(print);

          Thread.sleep(delay); }

        }

      catch (InterruptedException e)

      { System.out.println(name + "Interrupted"); }

      System.out.println(name + " exiting.");

    }

  }
```

class multiThread

```
{ public static void main(String args[])

  { new NewThread("Thread_1","BMS College of Engineering",10000,3); // start threads

    new NewThread("Thread_2","CSE",2000,5);

  }

}
```

```
D:\Java\jdk1.8.0_261\bin\prog>javac factorial.java
D:\Java\jdk1.8.0_261\bin\prog>java factorial
Enter the number for factorial:
10
10! = 1410065408
D:\Java\jdk1.8.0_261\bin\prog>java factorial
Enter the number for factorial:
20
Caught:Factorial.Exception:Invalid Input(>15)
D:\Java\jdk1.8.0_261\bin\prog>javac multiThread.java
D:\Java\jdk1.8.0_261\bin\prog>java multiThread
New thread: Thread[Thread_1,5,main]
New thread: Thread[Thread_2,5,main]
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
Thread_2 exiting.
BMS College of Engineering
Thread_1 exiting.
D:\Java\jdk1.8.0_261\bin\prog>
```