```java
// Multithreading
program no1;

package com.multithreading;

class MyThread extends Thread{

    public void run()
    {
        for(int i=0;i<10;i++)
        {
            System.out.println("User Thread");
        }
    }
}
public class ThreadDemo {

    public static void main(String[] args) {
        MyThread t = new MyThread();
```

```java
20          t.start();
21
22          for(int i=0;i<10;i++)
23          {
24              System.out.println("Main Thread");
25          }
26
27      }
28
29 }
30 =====================
31 //calling by run()
32 program no 2
33
34 package com.multithreading;
35
36 class MyThread extends Thread{
37
38      public void run()
```

```java
39      {
40          for(int i=0;i<10;i++)
41          {
42              System.out.println("User Thread");
43          }
44      }
45  }
46  public class ThreadDemo {
47
48      public static void main(String[] args) {
49          MyThread t = new MyThread();
50          t.run();
51
52          for(int i=0;i<10;i++)
53          {
54              System.out.println("Main Thread");
55          }
56
57      }
```

```
58
59  }
60  =====================
61  //no run()
62  program no 3
63  package com.multithreading;
64
65  class MyThread extends Thread{
66
67
68  }
69  public class ThreadDemo {
70
71      public static void main(String[] args) {
72          MyThread t = new MyThread();
73          t.start();
74
75          for(int i=0;i<10;i++)
76          {
```

```
77                    System.out.println("Main Thread");
78            }
79
80      }
81
82 }
83 ==============================
84 program no 4
85 //multiple threads single process
86 package com.multithreading;
87
88 class MyThread extends Thread{
89
90     public void run()
91     {
92         for(int i=0;i<10;i++)
93         {
94             System.out.println("User Thread");
95         }
```

```
 96         }
 97 }
 98 public class ThreadDemo {
 99
100     public static void main(String[] args) {
101         MyThread t1 = new MyThread();
102         t1.start();
103
104         MyThread t2 = new MyThread();
105         t2.start();
106         for(int i=0;i<10;i++)
107         {
108             System.out.println("Main Thread");
109         }
110
111     }
112
113 }
114 =============================
```

```java
115 program no 5
116 // multi threads with multi process
117 package com.multithreading;
118
119 class MyThread extends Thread{
120
121     public void run()
122     {
123         for(int i=0;i<10;i++)
124         {
125             System.out.println("User Thread");
126         }
127     }
128 }
129 class MyThread1 extends Thread{
130
131     public void run()
132     {
133         for(int i=0;i<10;i++)
```

```java
134         {
135             System.out.println("User Thread");
136         }
137     }
138 }
139 public class ThreadDemo {
140
141     public static void main(String[] args) {
142         MyThread t1 = new MyThread();
143         t1.start();
144
145         MyThread1 t2 = new MyThread1();
146         t2.start();
147         for(int i=0;i<10;i++)
148         {
149             System.out.println("Main Thread");
150         }
151
152     }
```

```java
153
154 }
155 ===================================
156 program no 6
157 // setName() , getName(), currentThread()
158 package com.multithreading;
159
160 class MyThread extends Thread{
161
162     public void run()
163     {
164
165             System.out.println("User Thread-1");
166     }
167 }
168 class MyThread1 extends Thread{
169
170     public void run()
171     {
```

```java
172
173              System.out.println("User Thread-2");
174      }
175 }
176 public class ThreadDemo {
177
178     public static void main(String[] args) {
179         MyThread t1 = new MyThread();
180         t1.start();
181         System.out.println(t1.getName());
182         t1.setName("Venugopal");
183         System.out.println(t1.getName());
184
185         MyThread1 t2 = new MyThread1();
186         t2.start();
187         System.out.println(t2.getName());
188         System.out.println(Thread.currentThread().getName());
189         Thread.currentThread().setName("New Main Thread");
190         System.out.println(Thread.currentThread().getName());
```

```
191
192
193        }
194
195  }
196  ===================================
197  progarm no 7
198  // thread Priority
199  package com.multithreading;
200
201  class MyThread extends Thread{
202
203      public void run()
204      {
205
206              System.out.println("User Thread-1");
207      }
208  }
209  class MyThread1 extends Thread{
```

```java
210
211     public void run()
212     {
213
214             System.out.println("User Thread-2");
215     }
216 }
217 public class ThreadDemo {
218
219     public static void main(String[] args) {
220         MyThread t1 = new MyThread();
221         t1.start();
222
223         MyThread1 t2 = new MyThread1();
224         t2.start();
225
226         t1.setPriority(Thread.MAX_PRIORITY);
227         t2.setPriority(Thread.MIN_PRIORITY);
228         System.out.println("Main thread");
```

```
229
230
231
232        }
233
234  }
235
236
237
238
239
```