

```
J lab10.java > lab10 > run()
1  public class lab10 implements Runnable{
2
3  public void run() {
4
5  // Code to be executed in the thread
6
7  System.out.println(x:"Thread is running...");
8
9  try {
10
11  Thread.sleep(millis:1000);
12
13  }
14  catch (InterruptedException e) {}
15
16  System.out.println(x:"Thread interrupted");
17
18  {}
19
20  System.out.println(x:"Thread completed");
21
22  }
23
24  }
25
26
27  Run|Debug
28  public static void main(String[] args) {
29
30  // Create a new thread
31
32  Thread thread = new Thread(new lab10());
33
34  // Set the thread's priority to the highest value
35
36  thread.setPriority(Thread.MAX_PRIORITY);
37
38
39  // Start the thread
40
41  thread.start();
42
43
44  // Wait for the thread to complete its execution
45
46  try {
47
48  thread.join();
49  } catch (InterruptedException e) { System.out.println(x:"Main thread interrupted");
50  }
51
52
53  // Using the methods of the thread - System.out.println("Thread name: " + thread.getName());
54  System.out.println("Thread priority: " + thread.getPriority()); System.out.println("Thread state: " + thread.getState()); System.out.println("Thread is alive: " + thread.isAlive());
55  }
56  }
57
```

```
PS C:\Users\lenovo\Desktop\Java assignments\Lab10> cd "c:\Users\lenovo\Desktop\Java assignments\Lab10\" ; if ($?) { javac lab10.java } ; if ($?) { java lab10 }
Thread is running...
Thread completed
Thread priority: 10
Thread state: TERMINATED
Thread is alive: false
PS C:\Users\lenovo\Desktop\Java assignments\Lab10>
```