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PRN – 21070126048

AIML A3

PIJ LAB Assignment 10

```
1 // Kaustubh Raykar
2 // PRN - 21070126048
3 // AIML A3
4
5 /* This program demonstrates how to create a thread in Java and use its various methods */
6
7 public class ThreadDemo extends Thread {
8
9     public void run() {
10         // This is the code that will be executed when the thread is started
11         System.out.println("Thread is running.");
12     }
13
14     public static void main(String[] args) {
15         // Create an instance of the ThreadDemo class
16         ThreadDemo td = new ThreadDemo();
17
18         // Start the thread
19         td.start();
20
21         // Check if the thread is still alive
22         if (td.isAlive()) {
23             System.out.println("Thread is still alive.");
24         }
25
26         // Wait for the thread to finish
27         try {
28             td.join();
29         } catch (InterruptedException e) {
30             e.printStackTrace();
31         }
32
33         // Check if the thread is still alive after joining
34         if (!td.isAlive()) {
35             System.out.println("Thread has finished.");
36         }
37     }
38 }
39
```

<https://github.com/Raykarr/ThreadDemo>