**Java Assignment – 10**

```java
public class ThreadExample implements Runnable{

    public void run() {

    // Code to be executed in the thread

        System.out.println("Thread is running...");

        try {

            Thread.sleep(1000);

        }

        catch (InterruptedException e) {

            System.out.println("Thread interrupted");

        }


        System.out.println("Thread completed");

    }


    public static void main(String[] args) {

    // Create a new thread

    Thread thread = new Thread(new ThreadExample());


    // Set the thread's priority to the highest value

    thread.setPriority(Thread.MAX_PRIORITY);


    // Start the thread

    thread.start();


    // Wait for the thread to complete its execution

    try {

    thread.join();
```

```java
        } catch (InterruptedException e) {

            System.out.println("Main thread interrupted");

        }


        // Using the methods of the thread -
        System.out.println("Thread name: " + thread.getName());
System.out.println("Thread priority: " + thread.getPriority());
        System.out.println("Thread state: " + thread.getState());
        System.out.println("Thread is alive: " + thread.isAlive());

        }
}
```

**Github Link**: https://github.com/adityasable22/pij-assignment-10.git