

Ruth Feinstein
COSC 439
Homework 3

Code for thread program in Java:

```
//thr class extends Thread class to enable multithreading
public class thr extends Thread {
    public static void main(String[] args) {
        //loop to create and run 10 threads
        for(int i=0; i<10; i++){
            //Creates an instance of the thr class
            thr thread = new thr();
            //Start the new thread by calling the start() method.
            //This triggers the run() method in the thr class since
            //it extends Thread.
            thread.start();}
    }
    //Overrides the run method from the Thread class
    public void run() {
        //Prints Hello and current thread
        System.out.println("Hello, I'm " + Thread.currentThread().getId());
    }
}
//This code was based on the code from W3schools:
//https://www.w3schools.com/java/java\_threads.asp
```

Output File:

```
Hello, I'm 21
Hello, I'm 25
Hello, I'm 24
Hello, I'm 19
Hello, I'm 18
Hello, I'm 20
Hello, I'm 26
Hello, I'm 22
Hello, I'm 27
Hello, I'm 23
```