

Aashish Shrestha

Unit #1.3

4) Write a program to execute multiple threads in priority base. [2075]

Program:

```
package threadprinter;

/**
 *
 * @author aashish
 */
class oneToTen extends Thread {

    @Override
    public void run() {
        for (int i = 1; i <= 10; i++) {
            System.out.println(i);
            try {
                Thread.sleep(500);
            } catch (InterruptedException e) {
                System.out.println("Exception Caught");
            }
        }
    }
}

class elevenToTwenty extends Thread {

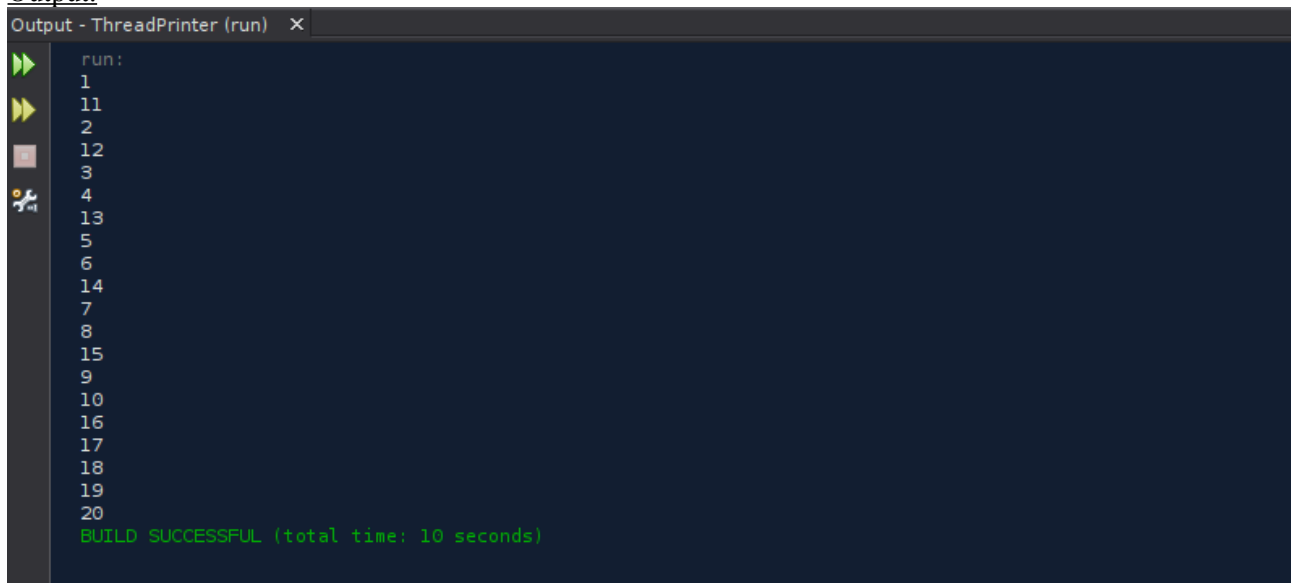
    @Override
    public void run() {
        for (int i = 11; i <= 20; i++) {
            System.out.println(i);
            try {
                Thread.sleep(1000);
            } catch (InterruptedException e) {
                System.out.println("Exception Caught");
            }
        }
    }
}

public class ThreadPrinter {

    public static void main(String[] args) throws InterruptedException {
        Thread t1 = new oneToTen();
        Thread t2 = new elevenToTwenty();
        t1.setPriority(Thread.MAX_PRIORITY);
        t2.setPriority(Thread.MIN_PRIORITY);
        t1.start();
        t2.start();
    }
}
```

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Output:



```
Output - ThreadPrinter (run) X
run:
1
11
2
12
3
4
13
5
6
14
7
8
15
9
10
16
17
18
19
20
BUILD SUCCESSFUL (total time: 10 seconds)
```