

Aashish Shrestha

Unit #1.3

3) Write a program to create two threads. The first thread should print numbers from 1 to 10 at intervals of 0.5 second and the second thread should print numbers from 11 to 20 at the interval of 1 second.

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 {

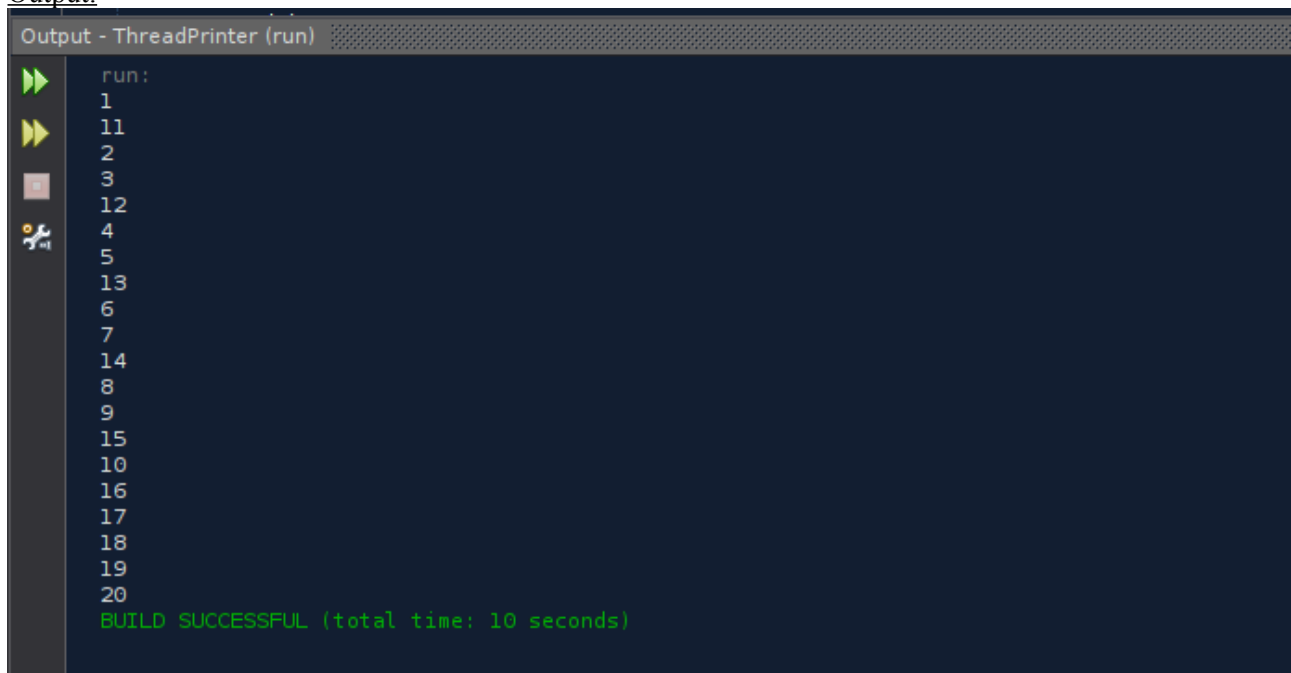
    @Override
    public void run() {
        for (int i = 11; i <= 20; i++) {
            System.out.println(i);
            try {
                Thread.sleep(1000);
            } catch (InterruptedException e) {
                System.out.println("Exception Caught");
            }
        }
    }
}

public class ThreadPrinter {

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

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Output:



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