```
// Create a second thread.
class NewThread implements Runnable {
    Thread t;
    NewThread() {
        // Create a new, second thread
            t = new Thread(this, "Demo Thread");
            System.out.println("Child thread: " + t);
            t.start(); // Start the thread
    }
    // This is the entry point for the second thread.
    public void run() {
    try{
        for(int i = 5; i > 0; i--) {
            System.out.println("Child Thread: " + i);
            Thread.sleep(500);
         }
      }catch (InterruptedException e) {
            System.out.println("Child interrupted.");
      }
    System.out.println("Exiting child thread.");
    }
}
```

```
class ThreadDemo {
    public static void main(String args[]) {
        new NewThread(); // create a new thread
        try {
            for(int i = 5; i > 0; i--) {
                System.out.println("Main Thread: " + i);
                Thread.sleep(1000);
            }
        } catch (InterruptedException e) {
            System.out.println("Main thread interrupted.");
        }
    System.out.println("Main thread exiting.");
    }
}
```

Child thread: Thread[Demo Thread,5,main]

Main Thread: 5

Child Thread: 5

Child Thread: 4

Child Thread: 3

Main Thread: 4

Child Thread: 2

Child Thread: 1

Main Thread: 3

Exiting child thread.

Main Thread: 2

Main Thread: 1

Main thread exiting.

Extending Thread

```
// Create a second thread by extending Thread
class NewThread extends Thread {
    NewThread() {
        // Create a new, second thread
        super("Demo Thread");
        System.out.println("Child thread: " + this);
        start(); // Start the thread
    }
    // This is the entry point for the second thread.
    public void run() {
        try {
            for(int i = 5; i > 0; i--) {
                System.out.println("Child Thread: " + i);
```

```
            Thread.sleep(500);
            }
        } catch (InterruptedException e) {
            System.out.println("Child interrupted.");
        }
    System.out.println("Exiting child thread.");
    }
}


class ExtendThread {

    public static void main(String args[]) {
        new NewThread(); // create a new thread
            try {
                for(int i = 5; i > 0; i--) {
                    System.out.println("Main Thread: " + i);
                    Thread.sleep(1000);
                }
            } catch (InterruptedException e) {
                System.out.println("Main thread interrupted.");
        }
        System.out.println("Main thread exiting.");
    }
}
```