1) RunnableDemo.java

```
package demo_one;

class RunnableDemo implements Runnable {
      private Thread t;
      private String threadName;

      RunnableDemo( String name) {
        threadName = nameSystem.out.println("Creating " +
threadName );
      }

      public void run() {
        System.out.println("Running " +  threadName );
        try {
          for(int i = 4; i > 0; i--) {
            System.out.println("Thread: " + threadName + ", " + i);
            // Let the thread sleep for a while.
            Thread.sleep(50);
          }
        } catch (InterruptedException e) {
      System.out.println("Thread " +  threadName + " interrupted.");
        }
        System.out.println("Thread " +  threadName + " exiting.");
      }

      public void start () {
        System.out.println("Starting " +  threadName );
        if (t == null) {
          t = new Thread (this, threadName);
          t.start ();
        }
      }
    }
```

Demo.java

```
RunnableDemo R1 = new RunnableDemo( "Thread-1");
R1.start();
RunnableDemo R2 = new RunnableDemo( "Thread-2");
R2.start();
```

2) ThreadDemo.java

```
package demo_one;

class ThreadDemo extends Thread {
      private Thread t;
      private String threadName;

      ThreadDemo( String name) {
        threadName = name;
        System.out.println("Creating " +  threadName );
      }

      public void run() {
        System.out.println("Running " +  threadName );
        try {
          for(int i = 4; i > 0; i--) {
            System.out.println("Thread: " + threadName + ", " + i);
            // Let the thread sleep for a while.
            Thread.sleep(50);
          }
        } catch (InterruptedException e) {
          System.out.println("Thread " +  threadName + "
interrupted.");
        }
        System.out.println("Thread " +  threadName + " exiting.");
      }

      public void start () {
```

```
        System.out.println("Starting " +  threadName );
        if (t == null) {
          t = new Thread (this, threadName);
          t.start ();
        }
      }
    }
```

Demo.java

```
ThreadDemo T1 = new ThreadDemo( "Thread-1");
T1.start();

ThreadDemo T2 = new ThreadDemo( "Thread-2");
T2.start();
```

3)