# Lab CC 1: Extending Thread

## Objectives

In this lab, you will create a threadable class by extending the Thread class.

## Instructions

### Step 1 Create the Task class

1. The Task class extends the Thread class.
2. The only method that we have to override is the run() method. The only thing run will do is print out its name ten time with a corresponding counter. To represent the work being done in real life, each time through the loop, it will pause for 1 second.
3. The Task class has a constructor that takes a name for the instance created so we can tell which thread is running.
4. The Thread.sleep() method has to be wrapped in a try block because it might throw an exception when it gets “woken up”

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### Step 2: Create the Runner class

1. Create two Task object and give them unique names.
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   Description automatically generatedSend each a start() method
3. Text

   Description automatically generatedBecause the start() method schedules the Task object to run, you will see interleaved execution of the two tasks.

### Step 3: Calling the run() method directly

1. In the Thread class, the start() method automatically calls the run() method.
2. However, if we call the run() method directly, we do not start a thread.
3. The job of the start() method is to create the schedulable thread object.
4. Calling run() without calling start() means that run() is just a regular method.
5. To see this, replace the calls to start() with calls to run() and see what happens.

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