



Object Oriented Programming

Pass Task 3.1: The Stack and Heap

Overview

In this task you reflect on some code you have already written and explain what happens in memory as it executes.

Purpose: Explore the connected nature of objects.

Task: Complete an answer sheet about the how memory is used in an object oriented programming.

Time: This task should be completed before the start of week 3.

Resources:

- C# Station Tutorials
 - [Lesson 1](#) to [Lesson 5](#)
 - [Encapsulation](#) and [Properties](#)
- Tutorials Point
 - [C# Programming Tutorials](#)
 - [C# Programming Quick Guide](#)
- Any C# books chapters on:
 - Types, Operators, Control Flow, Method declarations
- [UML Class Diagrams Tutorial](#) by Robert C. Martin

Submission Details

You must submit the following files to Doubtfire:

- Answers to questions in provided answer sheet.

Instructions

Download the answer sheet and answer the questions within. For this task you should refer to the Counter class you wrote for task 2.1P.

Assessment Criteria

Make sure that your task has the following in your submission:

- Your explanation must show that you have understood the basic relationship between variables and objects, and the idea that objects *know* and *can do* things.