SIT771 Object Oriented Development

Pass Task 2.3: Code Analysis 1

Overview

Being able to read and understand code is really important. This is an essential skill, as you will need to read code written by others, but more importantly you will need to be able to think through your own code!

The material in Course 1, Week 2, Activity 1 will help you with this task.

For this task, read the supplied code and answer the questions in the associated answers sheet.

Submission Details

Submit the following files to Doubtfire.

- Your answers as a PDF

You want to focus on having clear explanations that demonstrate your understanding of how variables work, the assignment statement, method returns, as well as how this all fits within the concept of *sequence*.

Instructions

Read the following code, and then answer the questions in the *Code Analysis.docx* file, which you can download from Doubtfire.

Code 1

```
int a, b, c;

a = 10;
b = 20;
c = a + b;

Console.WriteLine($"a is {a}");
Console.WriteLine($"b is {b}");
Console.WriteLine($"c is {c}");
```

Code 2

```csharp
int a;

a = 2;

Console.WriteLine($"{a - 1}");
Console.WriteLine($"{a}");
Console.WriteLine($"{a + 1}");
```

Code 3

```csharp
int dumplings, noodles, meals;

dumplings = 0;
noodles = 0;
meals = dumplings + noodles;
dumplings = 5;
noodles = 10;

Console.WriteLine($"Dumplings: {dumplings}, Noodles: {noodles}");
Console.WriteLine($"Meals: {meals}" );
```

Code 4

```csharp
int a, b, c, d, e;

a = 10;
b = 20;
c = 30;
d = a;
e = 50;

b = a;
a = a + b;
c = e - c;
d = a;
e = e - 1;

Console.WriteLine($"{a}, {b}, {c}, {d}, {e}");
```