

MODULE CODE: ACCA4016

ROW15822066

Question one:

A: Given that the programmer has decided to name a function "InputCostsProcessAndOutputResult" they will surely run into problems such as: human error, because the name is so long, whenever this function name is entered there will be a high likelihood that it will not be entered correctly which will cause problems such as slowing down the overall development of the project, is not helped by the fact that the name also contains Multiple upper and lower case letters would again not help the project's development.

0

so what? the IDE will fix it for you!
camel case is an accepted industry standard!

B: The problems found in the development of this piece of code are as follows:

1. Verification of "Username"
2. Verification of "Password"
3. Only allowing three login attempts
4. The ability to lock users out after too many incorrect login attempts
5. Keeping a user locked out for five minutes
6. The ability to enter value to the calculator
7. The ability to calculate said values

4

How

Details lacking

C: Sufficient tests for the code include:

1. Logging in correctly (e.g. with correct login details)
2. Logging in incorrectly and allowing one's self to be momentarily locked out (e.g. with incorrect login details)
3. Attempting to login whilst locked out
4. Using the calculator correctly (e.g. values of datatypes such as int)
5. Using the calculator incorrectly (e.g. entering values of data types such as string opposed to a number)

4

too generic

? Menu?
different aspect of the calculator

Question two:Question three:

```
using System;
```

```
//By Daniel Rowley
```

```
//ROW15822066
```

```
namespace Questin_one
```

```
{  
    class Program  
    {  
        static void Main(string[] args)
```

```
{  
    for (int i = 0; i < 3; i++)
```

```
{  
    Console.WriteLine("Please enter Username");  
    string username = Console.ReadLine();
```

```
  
    Console.WriteLine("Please enter Password");  
    string password = Console.ReadLine();
```

```
  
    if (username == "john") if (password == "password")  
    {
```

```
        Console.WriteLine("Welcome");
```

```
  
        Console.WriteLine("How many numbers would you like to enter");  
        int amount = Console.Read();
```

```
  
        int total = 0;  
        for (int a = 0; a < amount; a++)  
        {
```

```
            Console.WriteLine("Please enter number");  
            int number = Console.Read();
```

```
  
            total += number;
```

```
            Console.WriteLine("{0}", total);  
        }
```

```
    }
```

```
    else
```

```
{  
    Console.WriteLine("Wrong password");  
}
```

```
    Console.WriteLine("Your locked out");  
}
```

```
    Console.ReadLine();  
}
```

```
}  
}
```

This does not
answer the
question 2!!

Exam Marking ACCA4016 – Academic and Employability Skills 12th March 2019

Student: **Dan Rowley**

	Exam Date: 12 th March 2019	Marking Date: 15 th March 2019
Question	Max Possible Marks	Marks Achieved
1a	4	0
1b	8	4 
1c	8	4 
2a	20	0
2b	30	0
3a	20	0
3b	10	0
Total	100	8 

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