Lab One Instructions

Objective

The purpose of this lab is to get some experience in compiling a simple C# program and to become familiar with Visual Studio 2019 and the Microsoft documentation library.

For this Exercise, you will want to investigate the following C# classes and keywords:

```
Console class
String class
if statement
const keyword
```

i.   Create a new C# .NET Framework 4.8 or .NET 5 Console project named **COMP3602Lab01**.

ii.   Use the Microsoft documentation library *(https://docs.microsoft.com/en-us/dotnet/csharp/)* to find out some of the other methods in addition to `WriteLine()` that are available in the `Console` class. The most useful ones for now will be `Write()` and `ReadLine()`.

iii.   Prompt the user for their name and password. If the password entered is **ma5_t3r** then display a welcome message otherwise display an appropriate error message. If the name entered is Melissa for example, the welcome message will be:

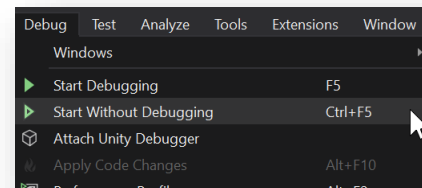`Hello Melissa, and welcome.`

Notice how the sentence is spaced and punctuated. Format your output to look the same.

See if you can:

1.   make the password a constant

2.   allow the user to enter a case *insensitive* password with *any number of spaces before and/or after it*

Note: Unlike other C-based languages, the C# operator == compares the contents of two strings.

Tip: In VS, after the application is run, the Console window disappears. Use **CTRL+F5** or **Debug**-> **Start Without Debugging** and it will continue to show the window after the application has completed.

BCIT COMP 3602
C# Application Development

Please Hand In:

1) Zip your entire project and submit the zipped file to Lab01 in the Learning Hub.
2) Lab is due on the day before next week's class @ 11:59 pm.
3) Lab solution code will be available under Week01\In Class once you have submitted.