C# Lab Tutorials

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Day 01

* Please Note that I'm typing out the answers in a word/pdf file and uploading it to github since I own an iPad and VSCode is not available on my device. Please excuse me and I apologize for any inconvenience caused. Thank you. *

01) Create a Console application that can read your name and batch as an input and print them into the console.

```
-   using System;
-
-   namespace NameAndBatchConsoleApp
-   {
-      class Program
-      {
-         static void Main(string[] args)
-         {
-            Console.WriteLine("State your name:");
-            string name = Console.ReadLine();
-
-            Console.WriteLine("State your Batch:");
-            string batch = Console.ReadLine();
-
-            Console.WriteLine("Your name is: " + name);
-            Console.WriteLine("Your batch is: " + batch);
-         }
-      }
-   }
```

02) Create a Console application that can read the radius from the user and calculate the Area of a circle.

```
-   namespace CalculateAreaOfACircle
-   {
-      internal class Program
-      {
-         static void Main(string[] args)
-         {
-            Console.WriteLine("What's the radius of the circle:");
-            double radius = double.Parse(Console.ReadLine());
-
```

```
-        double area = Math.PI * radius * radius;
-        Console.WriteLine("The area of the circle is: " + area);
-        Console.ReadLine();
-    }
-   }
-  }
```

03) Create a console application that can read two input values and show the summation of the inputs.

```
-   using System;
-
-   namespace SumOfValues
-   {
-   internal class Program
-   {
-     static void Main(string[] args)
-     {
-        double num1, num2;
-        Console.WriteLine("Enter the first number: ");
-        num1 = double.Parse(Console.ReadLine());
-
-        Console.WriteLine("Enter the second number: ");
-        num2 = double.Parse(Console.ReadLine());
-
-        double Result;
-        Result = num1 + num2;
-
-        Console.WriteLine("Sum of two numbers: " + Result.ToString());
-        Console.ReadLine();
-     }
-   }
```

04) Create a console application that can read salary of an employee and tax rate. Then show salary after the tax.

```
-   using System;
-
-   namespace SalaryAfterTaxCalculation
-   {
-   internal class Program
-   {
-     static void Main(string[] args)
-     {
-        Console.WriteLine("Enter Employee's salary: ");
-        double salary = double.Parse(Console.ReadLine());
-
-        Console.WriteLine("Enter the tax rate: ");
-        double taxRate = double.Parse(Console.ReadLine());
-
-        double salaryAfterTax = salary - (salary * taxRate);
```

```
-
-            Console.WriteLine("The salary after tax is {0}.", salaryAfterTax);
-            Console.ReadLine();
-        }
-    }
```