J&N Coding Club

In this 4 week coding project with 2-3 hours of work a week, we will introduce fundamental programming concepts and terminology to our members who have never programmed before. They will be exposed to the basic coding structures such as assignment statements, variables, constants, decision making statements and C# Console applications.

Prerequisites-

1. A smart phone(Android Phone to be specific)
2. C# Shell from google store

Objectives

- Understand what C# programming language is
- Read and write data by using Writeline() and Readline()
- Declaring and initializing variables. Understand the difference between the two
- How to use arithmetic operators to perform arithmetic calculations involving one or more variables
- Code decision and control structures(Use of if and case statements)
- Understand the importance of variable and different data types
- Understand the use of Modulus
- Understand how operators affect the flow of your code
- Built a basic and simple calculator

Method

Weeks	Content Covered
Week 1	- Explain what C# programming language is - Introduction to WriteLine()and Readline() statements - How to run a code
Week 2	- Explain different datatypes and when and how they should be used - Declare and initialise variables - Print and Read the variable from the command window
Week 3	- Ask the user for the number - Perform Add, Subtract or Multiplication on those numbers - Present the results to the user

	• Explain how operators affect the flow of your code • Introduce if statements
Week 4	• Continue with if statements • Introduce Modulus • Giving the user an option to choose the operation they want(Use of case statements)

Remember Even Experts were once beginners!
All the Best