**1 Sep 2020 - Notes**

Methods

Declare

Invoke

Object - scope

Multiple objects

Methods with out arguments

Methods with arguments

Class level variables - instance variables

Initialize or assign value by using object

Initialize instance variable by using parameter

Arguments you can Initialize value with object and pass it or use parameter and initialize.

Return Type for Methods

Value Type and Reference Type

value

n1, n2

obj = n1=4; n2 =45

Ref - memory

Instance / Static variable

add(int n1, ref int n2, out int res) - out ?

Relationship?

Instantiation - object for class

Inherit - Base - Derived

We cannot inherit from Multiple class -

Multi level inheritance

Polymorphism?

same for several methods

Overloading- parameters

difference

1. No of Parameters

2. Data type of Parameters

3. Order of precedence

Not

Difference - return type

Overriding - Base - definition - Derived - redefine

same method in both base , derived

1. new derived

2. virtual - Base and Override derived