Day 44

17/04/2025

```
Public String Add (int [] number)
{
  int result =0.
  foreach( int x in number{
     result = x + result.
  }
  return result.tostring ;
```

↓ Array as Parameter.

(Params object [] number)

↓ we can only use one params per method.

↓ params must be the last paramenters

using params

↓ Allows the single method to accepts any number of arguments.

```
Public string format (string cons , params
                              object[] values)

{
  string ouput = ".";
  for(int i=0 ;i< values.length ; i++){
  output = Output.Replace( i.ToString(),
                    values[i].ToString())

  }
return output;
```

Void - does not have return type.

method behaviour is to return

Static methd can be called dierectly using class name.

eg:-
```
public class math {
 public static int add (int a, int b)
  {
      return a+b;
  }
}
   math.add (2,3).
```

custom Generic type :

```
public int Add<T> (T First , T Second)
       for sepcific type .
{
  dynamic a= first ;
  dynamic b= seond;
  return a+b;
math ~~add~~ op = new math();
     op.Add<int> (1,2);
```

```
Public class mam {

Public int add < T , T1 > (T first , T1 sec )
                  ( T3 , T4 )        (T2 third ,
                                      T3 Forth )
{
        dyammic a = First ;
        dyamic b = sec ;     -> c = trid ;
                                D = Forth ;
  return a + b ;
                      -> ( T1 , T2 T3 ) class
Public class math < T > { making the generic
                  (<>)
   Public int Add ( T Fist )
                   ( T second
   {     dyamic a = Fist ;
    return ~~first~~ + ~~first~~
               a          a

   }
 }
math <int> op = ~~math~~new math <int>
                                 ( ) ;
     OP . Add ( 1 ) ;
```

Class cannue any number of naralmeter and method can take any of it