**C# Params**

In C#, **params** is a keyword which is used to specify a parameter that takes variable number of arguments. It is useful when we don't know the number of arguments prior. Only one params keyword is allowed and no additional parameter is permitted after params keyword in a function declaration.

**C# Params Example 1**

1. using System;
2. namespace AccessSpecifiers
3. {
4. class Program
5. {
6. // User defined function
7. public void Show(params int[] val) // Params Paramater
8. {
9. for (int i=0; i<val.Length; i++)
10. {
11. Console.WriteLine(val[i]);
12. }
13. }
14. // Main function, execution entry point of the program
15. static void Main(string[] args)
16. {
17. Program program = new Program(); // Creating Object
18. program.Show(2,4,6,8,10,12,14); // Passing arguments of variable length
19. }
20. }
21. }

**Output:**

2

4

6

8

10

12

14

**C# Params Example 2**

In this example, we are using object type params that allow entering any number of inputs of any type.

1. using System;
2. namespace AccessSpecifiers
3. {
4. class Program
5. {
6. // User defined function
7. public void Show(params object[] items) // Params Paramater
8. {
9. for (int i = 0; i < items.Length; i++)
10. {
11. Console.WriteLine(items[i]);
12. }
13. }
14. // Main function, execution entry point of the program
15. static void Main(string[] args)
16. {
17. Program program = new Program(); // Creating Object
18. program.Show("Ramakrishnan Ayyer","Ramesh",101, 20.50,"Peter", 'A'); // Passing arguments of variable length
19. }
20. }
21. }

**Output:**

Ramakrishnan Ayyer

Ramesh

101

20.5

Peter

A