**Object**: Generate the following series where the user gives three arguments e.g. 1 5 1----- where 1 is the starting number of the series, 5 is the last number of the series, and 1 is the difference (1 2 3 4 5). Show at least 5 different series.

***Solution***

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace lab\_1\_task\_3

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Give three number!");

int a = Convert.ToInt32(Console.ReadLine());

int b = Convert.ToInt32(Console.ReadLine());

int c = Convert.ToInt32(Console.ReadLine());

int[] m = new int[b+1];

Console.WriteLine("Required:");

for (int i = 1; i < m.Length; i++)

{

if

(i==1)

{

m[i] = a;

}

else if (i == m.Length - 1)

{

m[i] = b;

}

else

{

if

(m[i - 1] != 0)

{

if

((m[i - 1]) + c < b)

{

m[i] = m[i - 1] + c;

}

}

}

}

for (int i = 1; i < m.Length; i++)

{

if

(m[i]!=0)

{

Console.WriteLine(m[i]);

}

}

}

}

}

**OUTPUT:**

Give three number!

2

10

2

Required:

2

4

6

8

10

Press any key to continue . . .