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## LAB EXAM MS.NET

- i) Write a function to find sum. The function must implemented with params keyword to accept any number of parameters
- ii) Call the function to find sum of 2 numbers .
- iii) use the same function to find sum of 5 numbers

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Lab_exam_1
{
    internal class sum
    {
        public static void Sum( params int[] num)
        {
            int sum = 0;
            foreach (int i in num)
            {
                sum += i;
            }
            Console.WriteLine(sum);
        }
    }
}
```

MAIN method: -

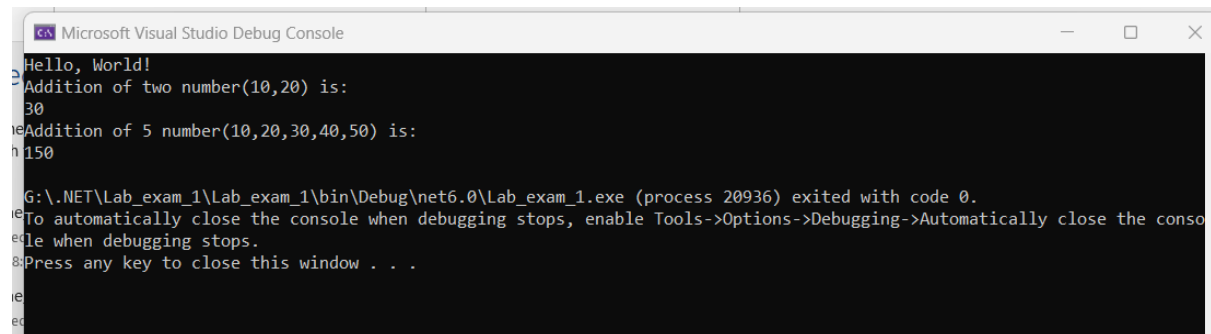
```
namespace Lab_exam_1
{
    internal class Program
    {
        static void Main(string[] args)
        {
```

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```
        Console.WriteLine("Hello, World!");
        Console.WriteLine("Addition of two number(10,20) is:");
        sum.Sum(10, 20);
        Console.WriteLine("Addition of 5 number(10,20,30,40,50) is:");
        sum.Sum(10, 20,30,40,50);
    }
}
```

Output:-

The screenshot shows the Microsoft Visual Studio Debug Console window. The output text is as follows:  
Hello, World!  
Addition of two number(10,20) is:  
30  
Addition of 5 number(10,20,30,40,50) is:  
150  
G:\.NET\Lab\_exam\_1\Lab\_exam\_1\bin\Debug\net6.0\Lab\_exam\_1.exe (process 20936) exited with code 0.  
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.  
Press any key to close this window . . .

II

Write a program to store names of students in a college using the generic collection

List<> and display the names

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Lab_exam_2
{
    internal class Student
    {
        public string Name { get; set; }
    }
}
```

Main Method

```
namespace Lab_exam_2
```

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```
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Student s1 = new Student();
            Student s2 = new Student();
            Student s3 = new Student();
            Student s4 = new Student();
            Student s5 = new Student();

            List<Student> name = new List<Student>();
            s1.Name = "Rohan";
            s2.Name = "Nitin";
            s3.Name = "Sonam";
            s4.Name = "Bali";
            s5.Name = "Gulabjamun";

            name.Add(s1);
            name.Add(s2);
            name.Add(s3);
            name.Add(s4);
            name.Add(s5);

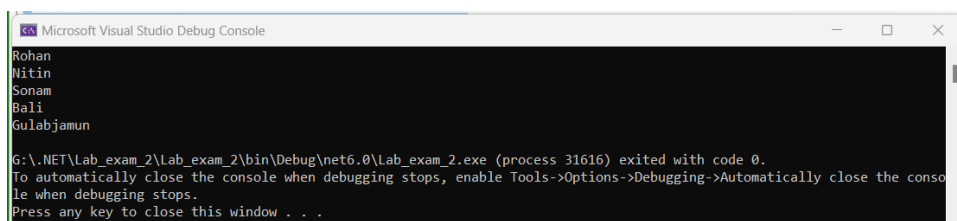
            var result = from s in name select s;

            foreach (Student s in result)
            {

                Console.WriteLine(s.Name);
            }

        }
    }
}
```

Output:-



```
Microsoft Visual Studio Debug Console
Rohan
Nitin
Sonam
Bali
Gulabjamun
G:\.NET\Lab_exam_2\Lab_exam_2\bin\Debug\net6.0\Lab_exam_2.exe (process 31616) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```