

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

namespace Session_005_Task_0001
{
    public class Overloading
    {
        public int Sum()
        {
            return (10 + 20);
        }

        public int Sum(int num1, int num2)
        {
            return (num1 + num2);
        }

        public int Sum(int num1, int num2, int num3)
        {
            return (num1 + num2 + num3);
        }
    }
}
```

```
// Overloading
```

```
Console.WriteLine("<<<<<<< Overloading >>>>>>>");
```

```
Overloading overlapped = new Overloading();
```

```
// #1
```

```
Console.WriteLine("\n<<<<<<< (1) Sum 2 numbers (10 and 20) >>>>>>>");
```

```
Console.WriteLine($"Sum : {overlapped.Sum()}");
```

```
// #2
```

```
Console.WriteLine("\n<<<<<<< (2) Sum 2 numbers from the user >>>>>>>");
```

```
Console.WriteLine("Please enter number 1");
```

```
int n1 = Convert.ToInt32(Console.ReadLine());
```

```
Console.WriteLine("Please enter number 2");
```

```
int n2 = Convert.ToInt32(Console.ReadLine());
```

```
Console.WriteLine($"{n1} + {n2} = {overlapped.Sum(n1, n2)}");
```

```
// #3
```

```
Console.WriteLine("\n<<<<<<< (3) Sum 3 numbers from the user >>>>>>>");
```

```
Console.WriteLine("Please enter number 1");
```

```
int num1 = Convert.ToInt32(Console.ReadLine());
```

```
Console.WriteLine("Please enter number 2");
```

```
int num2 = Convert.ToInt32(Console.ReadLine());
```

```
Console.WriteLine("Please enter number 3");
```

```
int num3 = Convert.ToInt32(Console.ReadLine());
```

```
Console.WriteLine($"{num1} + {num2} + {num3} = {overlapped.Sum(num1,  
num2,num3)}");
```