

## LAB 02

01)

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

namespace Consoleapp_lab_1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int num1, num2, sum;
            Console.WriteLine("Enter first number :");
            Console.WriteLine("Enter second number :");
            num1 = int.Parse(Console.ReadLine());
            num2 = int.Parse(Console.ReadLine());
            sum = num1 + num2;
            Console.WriteLine("sum is " + sum);
        }
    }
}
```

02)

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

namespace Consoleapp_lab_1
{
    internal class Program
    {
        static void Main(string[] args)
        {

            Console.WriteLine("Enter the first number : ");
            int num1 = Convert.ToInt32(Console.ReadLine());

            Console.WriteLine("Enter the second number :");
            int num2 = Convert.ToInt32(Console.ReadLine());

            int sum = num1 + num2;
            int subtraction = num1 - num2;
            int multiplication = num1 * num2;
            int division = num1 / num2;

            Console.WriteLine("The sum of the two numbers is : " + sum);
            Console.WriteLine("The difference of the two number is : " + subtraction);
            Console.WriteLine("The multiplication of the two number is : " + multiplication);
            Console.WriteLine("The division of the two number is : " + division);

            Console.ReadLine();

        }
    }
}
```

03)

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

namespace Consoleapp_lab_1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter the radius of the circle");
            double radius = Convert.ToDouble(Console.ReadLine());

            double area = Math.PI * radius * radius;
            double circumferenece = 2 * Math.PI * radius;

            Console.WriteLine("The area of the circle is : " + area);
            Console.WriteLine("The circumference of the cicle : " + circumferenece);
            Console.ReadLine();

        }
    }
}
```

04)

```
using System;

namespace Consoleapp_lab_1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter the Number :");
            int number = Convert.ToInt32(Console.ReadLine());

            bool isEven = number % 2 == 0;

            if (isEven)
            {
                Console.WriteLine("The number is even");
            }
            else
            {
                Console.WriteLine("The number is odd");
            }
        }
    }
}
```

```
    }  
  }  
}
```

05)

```
using System;
```

```
namespace Consoleapp_lab_1  
{
```

```
    internal class Program  
    {
```

```
        static void Main(string[] args)  
        {
```

```
            int[] userInputs = new int[10];
```

```
            for (int i = 0; i < 10; i++)
```

```
            {
```

```
                Console.WriteLine("Enter the value in to the element : " );
```

```
                userInputs[i]=Convert.ToInt32( Console.ReadLine() );
```

```
            }
```

```
            for (int i = 0; i < 10; i++)
```

```
            {
```

```
                bool isEven = userInputs[i] %2 == 0;
```

```
                if (isEven )
```

```
                {
```

```
                    Console.WriteLine("The number is even.", userInputs[i]);
```

```
                }
```

```
                else
```

```
                {
```

```
                    Console.WriteLine("The number is odd", userInputs[i]);
```

```
                }
```

```
            }
```

```
        }
```

```
    }
```

```
}
```

