

## C# - Lab 02

Q1.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter Number 01: ");
            double num1 = double.Parse(Console.ReadLine());

            Console.WriteLine("Enter Number 02: ");
            double num2 = double.Parse(Console.ReadLine());

            double sum = num1 + num2;

            Console.WriteLine("Sum: " + sum);

            Console.ReadLine();
        }
    }
}
```

Q2.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter Number 01: ");
            double num1 = double.Parse(Console.ReadLine());

            Console.WriteLine("Enter Number 02: ");
            double num2 = double.Parse(Console.ReadLine());

            double sum = num1 + num2;
            double sub = num1 - num2;
            double mul = num1 * num2;
            double div = num2 / num2;

            Console.WriteLine("Total: " + sum);
            Console.WriteLine("Subtraction: " + sub);
            Console.WriteLine("Multiplication: " + mul);
            Console.WriteLine("Division: " + div);

            Console.ReadLine();
        }
    }
}
```

Q3.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter radius: ");
            double radius = double.Parse(Console.ReadLine());

            double area = (Math.PI * radius * radius);
            double circum = (2 * Math.PI * radius);

            Console.WriteLine("Area of the circle: " + area);
            Console.WriteLine("Circumference of the circle: " + circum);

            Console.ReadLine();
        }
    }
}
```

Q4.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a number: ");
            double num = double.Parse(Console.ReadLine());

            if (num % 2 == 0)
            {
                Console.WriteLine("This is an Even Number");
            }
            else
            {
                Console.WriteLine("This is an Odd Number");
            }

            Console.ReadLine();
        }
    }
}
```

Q5.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            for (int count = 0; count<10; count++)
            {
                Console.WriteLine("Enter number: ");
                double num = double.Parse(Console.ReadLine());

                if (num % 2 == 0)
                {
                    Console.WriteLine("Even Number");
                }
                else
                    Console.WriteLine("Odd Number");
            }
            Console.ReadLine();
        }
    }
}
```