

LAB 03

LAB 3.1

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

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

LAB 3.2

```
class Program
{
    static void Main()
    {
        Console.WriteLine("Please enter a string:");
        string inputString = Console.ReadLine();

        int vowelCount = CountVowels(inputString);
        Console.WriteLine("Number of vowels in the
string: " + vowelCount);
    }

    static int CountVowels(string str)
    {
        int count = 0;
        string vowels = "AEIOUaeiou";

        foreach (char c in str)
        {
            if (vowels.Contains(c))
            {
                count++;
            }
        }
    }
}
```

```

        }
    }

    return count;

    Console.ReadKey();
}
}

```

LAB 3.3

```

internal class Program
{
    static void Main(string[] args)
    {
        Console.Write("Enter a number: ");
        string input = Console.ReadLine();

        int sum = 0;
        for (int i = 0; i < input.Length; i++)
        {
            char digitChar = input[i];
            if (char.IsDigit(digitChar))
            {
                int digit = int.Parse(digitChar.ToString());
                sum += digit;
            }
        }

        Console.WriteLine($"Sum of the digits: {sum}");

        Console.ReadKey();
    }
}

```

LAB 3.4

```

internal class Program
{
    static void Main(string[] args)
    {
        Console.Write("Enter a positive integer: ");
        int n = int.Parse(Console.ReadLine());

        int sum = 0;
        for (int i = 1; i <= n; i += 2)
        {
            sum += i;
        }

        Console.WriteLine($"Sum of odd numbers from 1 to {n}: {sum}");

        Console.ReadKey();
    }
}

```