C# Lab 03

1)

using System;

class Program

{

static void Main()

{

Console.Write("Enter an integer: ");

int number = int.Parse(Console.ReadLine());

if (number % 2 == 0)

{

Console.WriteLine("Even");

}

else

{

Console.WriteLine("Odd");

}

}

}

2)

using System;

class Program

{

static void Main()

{

Console.Write("Enter a string: ");

string input = Console.ReadLine();

int vowelCount = 0;

string vowels = "aeiouAEIOU";

foreach (char c in input)

{

if (vowels.Contains(c))

{

vowelCount++;

}

}

Console.WriteLine("Number of vowels: " + vowelCount);

}

}

3)

using System;

class Program

{

static void Main()

{

Console.Write("Enter a number: ");

int number = int.Parse(Console.ReadLine());

int sum = 0;

while (number != 0)

{

sum += number % 10;

number /= 10;

}

Console.WriteLine("Sum of the digits: " + sum);

}

}

4)

using System;

class Program

{

static void Main()

{

Console.Write("Enter a positive integer: ");

int n = int.Parse(Console.ReadLine());

int sum = 0;

for (int i = 1; i <= n; i++)

{

if (i % 2 != 0)

{

sum += i;

}

}

Console.WriteLine("Sum of odd numbers: " + sum);

}

}