1.

using System;

using System.Collections.Generic;

using System.Diagnostics;

using System.Diagnostics.CodeAnalysis;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Web;

namespace ConsoleApp12

{

internal class Program

{

static void Main(string[] args)

{

int num;

Console.WriteLine("enter a number");

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

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

{

if (num % 2 == 1)

Console.WriteLine("this is a odd number");

else

Console.WriteLine("this is a even number");

Console.ReadLine();

}

}

}

}

2.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Security.Cryptography.X509Certificates;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp14

{

internal class program

{

static void Main(string[]args)

{

string str = "hello world";

int count=0;

char[] vowels = { 'a' , 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U' };

for (int i = 0; i < str.Length; i++)

{

if (vowels.Contains(str[i]))

{

count++;

}

}

Console.WriteLine("the vovel count of given number is"+count);

Console.ReadLine();

}

}

}

3.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Security.Cryptography.X509Certificates;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp14

{

internal class program

{

static void Main(string[]args)

{

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

int sum = 0;

for (int i = num; i > 0; i /= 10)

{

sum += i % 10;

}

Console.WriteLine("the sum is " +sum);

Console.ReadLine();

}

}

}

4.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Security.Cryptography.X509Certificates;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp14

{

internal class program

{

static void Main(string[] args)

{

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

int odd = 0;

for (int i = num; i > 0; i /= 10)

{

if (i % 2 == 1)

odd += i % 10;

}

Console.WriteLine("the odd sum " + odd);

Console.ReadLine();

}

}

}