Lab 03

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27522

1.Write a c# console application that takes a n integer as input and checks whether it is even or odd.Display the result Odd or Even accordingly.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp7

{

internal class Program

{

static void Main(string[] args)

{

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

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

if (num % 2 == 0)

{

Console.WriteLine("Even");

}

else

{

Console.WriteLine("Odd");

}

Console.ReadLine();

}

}

2.Write a c# console application that count the number of vowels in a given string.Consider both lowercase and uppercase vowels.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp7

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter a string");

string name=Console.ReadLine();

string lowerCaseInput=name.ToLower();

int count = 0;

foreach(char x in lowerCaseInput)

{

if(x=="a"|| x == "e" || x == "i" || x == "o" || x == "u")

{

count++;

}

}

Console.WriteLine("Number of string: "+count);

}

}

}

3.Write a c# program to calculate the sum of all the numbers from to a given positive integer.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp7

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter a odd number");

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

int sum = 0;

for(int i=1;i<=num;i+=2)

{

sum+=i;

}

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

Console.ReadLine();

}

}

}

4.Write a c# program to find the sum of the digits of a given number using a for loop.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Runtime.Remoting.Services;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp7

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter a odd number");

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

int sum = 0;

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

{

int digit = i % 10;

sum+=digit;

}

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

Console.ReadLine();

}

}

}