1. Write a program to count how many numbers between 1 and 100 are divisible by 3 with no remainder. Display the count and individual numbers on the console

using System;

namespace first

{

class Program

{

static void Main(string[] args)

{

int countValue = 0;

for(int i = 1;i <= 100;i++)

{

if(i%3==0)

{

Console.WriteLine(i+" ");

countValue++;

}

}

Console.WriteLine("countValue is "+countValue);

}

}

}

1. Write a program and ask the user to enter a number. Compute the factorial of the number and print it on the console. For example, if the user enters 5, the program should calculate 5 x 4 x 3 x 2 x 1 and display it as 5! = 120

using System;

namespace first

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter your input for finding it's factorial");

int userValue = Convert.ToInt32( Console.ReadLine());

int fact = 1;

if(userValue < 0)

{

Console.WriteLine("Please,enter positive value");

}

else if(userValue == 0)

{

Console.WriteLine("Factorial is 1");

}

else

{

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

{

fact = fact \* i;

}

Console.WriteLine("Factorial is " + fact);

}

Console.ReadLine();

}

}

}

1. Write a console program and ask the user to enter a series of numbers separated by comma. Find the maximum of the numbers and display it on the console. For example, if the user enters “15, 3, 28, 1, 44", the program should display 44.

using System;

using System.Linq;

namespace first

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter your input:");

string userValue = Console.ReadLine();

string[] userValueArray = userValue.Split(',');

Console.WriteLine("Max value is :" + userValueArray.Max());

}

}

}

1. Write a program to accept input from user (Enter number). Suppose if user Enter Number 10 print “This is Number 1 “ ,”this is number 2” so on like that based on input number from user

using System;

namespace first

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter your input:");

int userValue = Convert.ToInt32(Console.ReadLine());

if(userValue <= 0)

{

Console.WriteLine("Please,enter value greater than 0");

}

else

{

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

{

Console.WriteLine($"This is number {i}");

}

}

}

}

}

1. Write a console program to accept input from user (“Enter your Name”) and perform below Tasks using C#
   1. If user enters “Prathap” return “you have entered Prathap. which has length of 7 characters.”
   2. If user enters “Welcome to my Session” return “Hello your sentence contains 4 words. your third word is “my““

a.

using System;

namespace first

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter your input:");

string userValue = Console.ReadLine();

userValue.Trim();

Console.WriteLine($"you have entered {userValue}, which has length of {userValue.Length} characters");

}

}

}

b.

using System;

using System.Runtime.InteropServices;

namespace first

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter your input:");

string userValue = Console.ReadLine();

string[] userValueArray = userValue.Split(" ");

Console.WriteLine($"Hello your sentence contains {userValueArray.Length} words. your third word is \"{userValueArray[2]}\".");

}

}

}