

**Faculty of Technology**

University of Sri Jayewardenepura

**Discussion Topics**

**Fundamentals of Multimedia**

**ICT 2342**

Lecturer

**Mrs. Sandamali**

**Name:** Dharmakeerthi MPBM

**Index No:** ICT/20/832

**Date:** 11-10-2022

1

namespace Lab2

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\t \*\*1 to 10 using For Loop\*\* \n");

for(int i = 1; i <= 10; i++)

{

Console.WriteLine(i);

}

}

}

}

2.

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter Lower Limit of Prime Num :-");

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

Console.Write("\nEnter Uper Limit of Prime Num :- ");

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

Console.Write("\nPrime Numbers between {0} and {1} are \n\n",LL,UL);

int counter, i, n;

for (i = LL; i < UL; i++)

{

counter = 0;

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

{

if (i % n == 0)

{

counter++;

}

}

if(counter==2)

Console.WriteLine("\t{0}",i);

}

}

}

}

3.

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

//Sum of N numbers = Sn=n(n+1)/2

Console.WriteLine("\n\t\*\* Sum of N Numbers \*\*\n");

Console.Write("N Numbers :- ");

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

int Sn = n \* (n + 1) / 2;

Console.WriteLine("\*\* Sum of first {0} numbers is {1}",n,Sn);

}

}

}

4.

using System.ComponentModel.DataAnnotations;

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t\*\* Total Number of Letters in the Text \*\*\n");

Console.Write("Enter the Text :- ");

String text = Console.ReadLine();

Console.WriteLine("\*\* Number of letters in the text is {0} :- ",text.Length);

}

}

}

5.

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t\*\* Find the Leap Year \*\*\n");

Console.Write("Enter a year :- ");

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

if (year % 4 == 0)

{

Console.WriteLine("\n\*\* {0} is a Leap Year",year);

}

else

{

Console.WriteLine("\n {0} is not a Leap Year", year);

}

}

}

}

6.

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t\*\* Find the Factorial \*\*\n");

Console.Write("Enter a Number :- ");

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

int factorial=1;

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

{

factorial \*= i;

}

Console.WriteLine("Factorial of {0} is {1} ", num, factorial);

}

}

}

7.

using System.ComponentModel.DataAnnotations;

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t\*\* Multiplication Table of 14 \*\*\n");

for (int i = 1; i <= 12; i++)

{

Console.WriteLine("14 \* {0} = {1}", i, i \* 14);

}

}

}

}

8.

using System.ComponentModel.DataAnnotations;

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("\n\t\*\* Find Palindroms \*\*\n");

Console.Write("Enter a Word :- ");

String str = Console.ReadLine();

int ind = str.Length-1;

int x = 0;

int truev = 0;

while (ind > 0)

{

if(str[x++] != str[ind--])

{

truev = 1;

}

}

if (truev == 0)

{

Console.WriteLine("\n\t\*\*{0} is a Palindrom ",str);

}

else

{

Console.WriteLine("\n\t\*\*{0} is not a Palindrom");

}

}

}

}

9.

using System.ComponentModel.DataAnnotations;

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

int n1 = 0, n2 = 1;

Console.Write("\t \*\* Fibonacci Series \*\*\n");

Console.Write("\n{0} , {1} , ",n1, n2);

for (int i = 0; i < 20; i++)

{

int nextnum = n1 + n2;

Console.Write("{0}, ",nextnum);

n1 = n2;

n2 = nextnum;

}

}

}

}

10.

using System.ComponentModel.DataAnnotations;

using System.Reflection.Metadata;

namespace lab2b

{

internal class Program

{

static void Main(string[] args)

{

//int counter = 0;

int[] numbers = new int[5];

int sum = 0, avg = 0, low = 0, high = 0;

for (int i = 0; i < 5; i++)

{

Console.Write("Number {0}: ",i+1);

numbers[i] = Convert.ToInt32(Console.ReadLine());

sum += numbers[i];

}

avg = sum / 5;

for (int i = 0; i < 5; i++)

{

if (numbers[i] < avg)

{

low++;

}

if (numbers[i]>avg)

{

high++;

}

}

Console.WriteLine("The average is : {0}", avg);

Console.WriteLine("The numbers above the average are: {0}", high);

Console.WriteLine("The numbers below the average are: {0}", low);

Console.ReadKey();

}

}

}