ASSIGNMENT 1 C#

1.wap to add three numbers

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static int sum(int num1, int num2, int num3)

{

int total;

total = num1 + num2 + num3;

return total;

}

static void Main(string[] args)

{

Console.Write("\n\nFunction to calculate the sum of two numbers :\n");

Console.Write("--------------------------------------------------\n");

Console.Write("Enter a number1: ");

int n1 = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter a number2: ");

int n2 = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter a number3: ");

int n3 = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("\nThe sum of three numbers is : {0} \n", sum(n1, n2, n3));

}

}

}

2.wap to print sum and average of 1st 20 natural numbers

using System;

public class Exercise2

{

public static void Main()

{

int j, sum = 0;

Console.WriteLine(" ");

Console.WriteLine(" ");

Console.Write("The first 20 natural number are :\n");

for (j = 1; j <= 20; j++)

{

sum = sum + j;

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

}

Console.Write("\nThe Sum is : {0}\n", sum);

}

}

3.wap to print first 50 even numbers

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int i;

for(i=0;i<=50;i++)

{

if(i%2==0)

{

Console.WriteLine(i);

}

}

}

}

}

4.wap to check to prime or not

using System;

namespace Demo {

class MyApplication {

public static void Main() {

int n = 5, a = 0;

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

if (n % i == 0) {

a++;

}

}

if (a == 2) {

Console.WriteLine("{0} is a Prime Number", n);

} else {

Console.WriteLine("Not a Prime Number");

}

Console.ReadLine();

}

}

}

5.wap to print table to entered number format

5\*1=5

5\*2=10

using System;

public class Exercise8

{

public static void Main()

{

int x;

int result;

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

x = Convert.ToInt32(Console.ReadLine() );

result = x \* 1;

Console.WriteLine("The table is : {0} x {1} = {2}", x, 1, result);

result = x \* 2;

Console.WriteLine(" : {0} x {1} = {2}", x, 2, result);

result = x \* 3;

Console.WriteLine(" : {0} x {1} = {2}", x, 3, result);

result = x \* 4;

Console.WriteLine(" : {0} x {1} = {2}", x, 4, result);

result = x \* 5;

Console.WriteLine(" : {0} x {1} = {2}", x, 5, result);

result = x \* 6;

Console.WriteLine(" : {0} x {1} = {2}", x, 6, result);

result = x \* 7;

Console.WriteLine(" : {0} x {1} = {2}", x, 7, result);

result = x \* 8;

Console.WriteLine(" : {0} x {1} = {2}", x, 8, result);

result = x \* 9;

Console.WriteLine(" : {0} x {1} = {2}", x, 9, result);

result = x \* 10;

Console.WriteLine(" : {0} x {1} = {2}", x, 10, result);

}

}

Assignment:2 C#

rowwisesum:

using System;

namespace Rowwisesum

{

class Program

{

static void Main(string[] args)

{

int n = 4, m = 4, sum = 0;

int[,] arr1 = new int[m, n];

Console.WriteLine("Enter the elements:");

for (int i = 0; i < 4; ++i)

{

for (int j = 0; j < 4; ++j)

{

arr1[i, j] = Convert.ToInt32(Console.ReadLine());

// sum = sum + arr1[j, i];

}

}

for (int i = 0; i < 4; ++i)

{

for (int j = 0; j < 4; ++j)

{

Console.WriteLine("{0}\t", +arr1[i, j]);

sum = sum + arr1[i, j];

}

Assignment:3 c#

1.electric city bill:

using System;

namespace ElectriccityBill

{

class Program

{

static void Main(string[] args)

{

int custid, conunit;

double charge, surcha = 0, amt, netchr;

string name;

Console.WriteLine("Customer IDNO:");

custid = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Customer Name:");

name = Console.ReadLine();

Console.WriteLine("Unit Consumed :");

conunit = Convert.ToInt32(Console.ReadLine());

if (conunit < 200)

charge = 1.20;

else if (conunit >= 200 && conunit < 400)

charge = 1.50;

else if (conunit >= 400 && conunit < 600)

charge = 1.80;

else

charge=2.00;

amt = conunit \* charge;

if (amt > 300)

{

surcha = amt \* 15 / 100.0;

}

netchr = amt + surcha;

if (netchr < 100)

{

netchr = 100;

}

Console.WriteLine("Electriccity Bill");

Console.WriteLine("Customer IDNO: {0}\n", custid);

Console.WriteLine("Customer Name: {0}\n", name);

Console.WriteLine("Unit Consumed: {0}\n", conunit);

Console.WriteLine("Amount Charges @Rs. {0} per unit: {1}\n", amt);

Console.WriteLine("Surchage Amount : {0}\n", surcha);

Console.WriteLine("Net Amount Paid By the Customer : {0}\n", netchr);

}

}

}

2. insertarray:

using System;

namespace InsertArray

{

class Program

{

static void Main(string[] args)

{

int i = 0, pos = 0, item = 0,n;

int[] arr = new int[30];

Console.WriteLine("Enter the size: ");

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

Console.WriteLine("Enter the elements");

for (i = 0; i < n; i++)

{

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

}

Console.WriteLine("Enter the position to insert:");

pos = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the new item:");

item = Convert.ToInt32(Console.ReadLine());

for(i=n;i>=pos;i--){

arr[i] = arr[i - 1];

}

arr[pos - 1] = item;

Console.WriteLine("Array after insertion:");

for (i = 0; i< n+1; i++)

{

Console.WriteLine(" " + arr[i]);

}

Console.WriteLine();

}

}

}