using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace Project1

{

class Class1

{

public static void Main(String[] args)

Que-1.

Console.WriteLine("Enter your name");

string name=Console.ReadLine();

Console.WriteLine("Hello :{0}",name);

Console.ReadLine();

Que-2.

int a, b, c;

Console.WriteLine("Enter first no..");

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

Console.WriteLine("Enter first no..");

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

c = a + b;

Console.WriteLine("The sum of two no a+b={0}",c);

Que-3.

int a, b, c;

Console.WriteLine("Enter first no:");

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

Console.WriteLine("Enter first no:");

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

c = a / b;

Console.WriteLine("the divided of two no a/b={0}",c);

Que-4.

Console.WriteLine(-1 + 4 \* 6);

Console.WriteLine((35 + 5) % 7);

Console.WriteLine(14 + -4 \* 6 / 11);

Console.WriteLine(2 + 15 / 6 \* 1 - 7 % 2);

Que-5.

int a, b;

Console.WriteLine("Enter the first no.");

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

Console.WriteLine("Enter the first no.");

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

Console.WriteLine("Before swap a and b= {0} {1}",a,b);

a = a \* b; //5\*6=30;

b = a / b; //30/6=5;

a = a / b;

30/5=6

Console.WriteLine("After swap a= " + a + " b= " + b);

Que-6.

int a, b, c,d;

Console.WriteLine("Enter the first no...");

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

Console.WriteLine("Enter the first no...");

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

Console.WriteLine("Enter the first no...");

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

d = a \* b \* c;

Console.WriteLine("the multiple of three no are a\*b\*c ={0}",d);

Que-7.

int a, b, c;

Console.WriteLine("Enter the first no");

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

Console.WriteLine("Enter the first no");

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

c = a + b;

Console.WriteLine("The sum of two no is a+b={0}",c);

c = a - b;

Console.WriteLine("The sum of two no is a-b={0}", c);

c = a \* b;

Console.WriteLine("The sum of two no is a\*b={0}", c);

c = a /b;

Console.WriteLine("The sum of two no is a-b={0}", c);

Que-8.

int a,b;

Console.WriteLine("Enter any no..");

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

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

{

b = a \* i;

Console.WriteLine(a + "\*" + i + "=" + b);

}

Que-9.

int a,b,c,d,tot,avg;

Console.WriteLine("Enter th first no...");

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

Console.WriteLine("Enter th second no...");

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

Console.WriteLine("Enter th third no...");

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

Console.WriteLine("Enter th four no..."

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

tot = a + b + c + d;

Console.WriteLine("the total is:{0}",tot);

avg = tot / 4;

Console.WriteLine("the total is:{0}", avg);

Que-10.

int x,y,z,x1,y1;

Console.WriteLine("Enter the first no.");

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

Console.WriteLine("Enter the first no.");

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

Console.WriteLine("Enter the first no.");

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

x1 = (x + y) \* z;

y1 = x\*y + y\*z;

Console.WriteLine("Result of specified number 5,6,7,(x+y).z is{0}and x.y is{1}",x1,y1);

Que-11.

int age;

Console.WriteLine("Enter your age");

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

Console.WriteLine("You look older than {0}",age);

Que-12.

int num;

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

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

Console.Write( num );

Console.Write(" ");

Console.Write(num);

Console.Write(" ");

Console.Write(num);

Console.Write(" ");

Console.Write(num);

Console.WriteLine();

Console.Write(num);

Console.Write(num);

Console.Write(num);

Console.Write(num);

Console.WriteLine();

Console.WriteLine("{0} {0} {0} {0}",num);

Console.WriteLine("{0}{0}{0}{0}", num);

Que-13.

int num;

Console.WriteLine("Enter a number");

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

Console.WriteLine("{0}{0}{0}",num);

Console.WriteLine("{0} {0}", num);

Console.WriteLine("{0} {0}", num);

Console.WriteLine("{0} {0}", num);

Console.WriteLine("{0}{0}{0}", num);

Que.14.

int celsius;

Console.WriteLine("Enter the amount of Celsius”);

c=(5(f-32))/9 and f=(9c+(32\*5))/5----formula

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

Console.WriteLine("kelvin ={0}",celsius +273);

Console.WriteLine("fahrenheit={0}",celsius\*18/10+32);

Que-15.

static void Main(string[] args)

{

Console.WriteLine(remove\_char("w3resource", 1));

Console.WriteLine(remove\_char("w3resource", 9));

Console.WriteLine(remove\_char("w3resource", 0));

}

public static string remove\_char(string str, int n)

{

return str.Remove(n, 1);

}

Que-16.

string str;

int l= 0;

Console.Write("Input a string : ");

str = Console.ReadLine();

if (str.Length>=1)

{

var s = str.Substring(0,1);

Console.WriteLine(s + str + s);

}

Que-17.

int a, b;

Console.WriteLine("Enter first int no");

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

Console.WriteLine("Enter first int no");

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

if ((a < 0 && b > 0) || (a > 0 && b < 0))

{

Console.WriteLine("True");

}

Que-18.

int a, b, c,d;

Console.WriteLine("Enter the first inteer no..");

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

Console.WriteLine("Enter the first inteer no..");

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

c = a + b;

Console.WriteLine("The two integer sum is {0}",c);

Que-19.

if (a == b)

{

d = c \* 3;

Console.WriteLine("{0}", d);

}

Que-20.

int a, b, c;

Console.WriteLine("Enter first integer no:");

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

Console.WriteLine("Enter first integer no:");

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

if(a==20 ||b==20 ||(a+b==20))

{

Console.WriteLine("True");

}

Que-21.

Console.WriteLine("Input first number:");

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

Console.WriteLine("Input second number:");

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

Console.WriteLine(IsTwenty());

bool IsTwenty()

{

if (x == 20 || y == 20)

return true;

else if (x + y == 20)

return true;

else

return false;

}

Que-22.

string a = "Write a c# sharp Program to display the following pattern using the alphabet.";

Console.WriteLine(a.ToLower());

Que-23.

Console.WriteLine("odd no 1 to 99");

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

{

if (i % 2 != 0)

{

Console.WriteLine(i.ToString());

}

}

Que-24.

Console.WriteLine("Odd numbers from 1 to 99. Prints one number per line.");

for (int n = 1; n < (99 + 1); n++)

{

if (n % 2 != 0)

{

Console.WriteLine(n.ToString());

}

}

Que-25.

Console.writeLine(“input integer a:”);

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

while(a!=0)

{

sum = sum + a % 10; // 0+12%10=1.2;

a = a / 10; // 12/10=1.2

}

Console.WriteLine("Sum of the digit of the said integer:{0}",sum);

Que-26.

int num = 123;

int sum = 0;

while(num > 0)

{

sum += number % 10;

num /= 10;

}

Console.WriteLine(sum);

Que-28.

FileInfo f = new FileInfo("/home/students/abc.txt");

Console.WriteLine("\nSize of a file: "+f.Length.ToString());

Que-29.

int[]a={1,3,-5,4};

int[]b={1,4,-5,-2};

Console.WriteLine("Array1:[{0}]",string.Join(",",a));

Console.WriteLine("Array2:[{0}]",string.Join(",",b));

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

{

Console.Write(a[i]\*b[i]+"");

}

Console.WriteLine("\n");

Que-30.

string str;

Console.WriteLine("Input a sring :");

str = Console.ReadLine();

if(str.Length>4)

{

Console.WriteLine(str.Length < 4 ? str + str + str : str.Substring(str.Length - 4) + str.Substring(str.Length –

4) + str.Substring(str.Length - 4) + str.Substring(str.Length - 4))

Que-31.

Console.WriteLine("Input first integer :");

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

if (x > 0)

{

Console.WriteLine(x % 3 == 0 || x % 7 == 0);

}

Que-32.

Console.WriteLine("\nInput first integer:");

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

if (x > 0)

{

Console.WriteLine(x % 3 == 0 || x % 7 == 0);

}

Que-33.

int a, b;

Console.WriteLine("Input a first number:");

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

Console.WriteLine("Input a second number:");

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

if(a<100 && b>200)

{

Console.WriteLine("True");

}

Que-34.

int a, b;

Console.WriteLine("Input a first number:");

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

Console.WriteLine("Input a second number:");

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

if(a>-10 && b<10)

{

Console.WriteLine("True");

}

Que-35.

tring str = "PHP Tutorial";

Console.WriteLine((str.Substring(1,2).Equals("Hp")?str.Remove(1,2): str ));

Que-36.

Console.WriteLine("\nInput first integer:");

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

Console.WriteLine("Input second integer:");

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

Console.WriteLine("Input third integer:");

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

Console.WriteLine("Largest of three: "+Math.Max(x, Math.Max(y, z)));

Console.WriteLine("Lowest of three: "+Math.Min(x, Math.Min(y, z)));

Que-37.

int x,y,n = 20;

Console.WriteLine("Input first integer:");

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

Console.WriteLine("Input first integer:");

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

var val1 = Math.Abs(x - n);

var val2 = Math.Abs(y - n);

Console.WriteLine(val1 == val2?0 : (val1<val2 ? x:y));

Que-38.

Console.WriteLine("\nInput an integer:");

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

int[] nums = {1, 2, 2, 3, 3, 4, 5, 6, 5, 7, 7, 7, 8, 8, 9};

Console.WriteLine("Number of " + x + " present in the said array:");

Console.WriteLine(nums.Count(n => n == x));

Que-39.

// Declare the array of two elements.

int[][] arr = new int[2][];

// Initialize the elements.

arr[0] = new int[5] { 1, 3, 5, 7, 9 };

arr[1] = new int[4] { 2, 4, 6, 8};

// Display the array elements.

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

{

System.Console.Write("Element({0}): ", i);

for (int j = 0; j < arr[i].Length; j++)

{

System.Console.Write("{0}{1}", arr[i][j], j == (arr[i].Length - 1) ? "" : " ");

}

System.Console.WriteLine();

}

// Keep the console window open in debug mode.

System.Console.WriteLine("Press any key to exit.");

System.Console.ReadKey();

Que-40.

int[] nums = {1,2,2,3,3,4,5,6,5,7,7,7,8,8,1};

Console.WriteLine("Array1:[{0}]",string.Join(",",nums));

var sum = 0;

for (var i = 0; i < nums.Length; i++)

{

sum=sum+nums[i];

}

Console.WriteLine("Sum:{0}",sum);

Que-41.

int[] nums1 = {1, 2, 2, 3, 3, 4, 5, 6, 5, 7, 7, 7, 8, 8, 1};

Console.WriteLine("\nArray1: [{0}]", string.Join(", ", nums1));

int[] nums2 = {1, 2, 2, 3, 3, 4, 5, 6, 5, 7, 7, 7, 8, 8, 5};

Console.WriteLine("\nArray2: [{0}]", string.Join(", ", nums2));

Console.WriteLine("\nCheck if the first element or the last element of the two arrays ( length 1 or more) are equal.");

Console.WriteLine((nums1[0].Equals(nums2[0])) || (nums1[nums1.Length - 1].Equals(nums2[nums2.Length - 1])));

Que-42.

int[] nums = {1, 2, 8};

Console.WriteLine("\nArray1: [{0}]", string.Join(", ", nums));

var temp = nums[0];

for (var i = 0; i < nums.Length - 1; i++)

{

nums[i] = nums[i + 1];

}

nums[nums.Length - 1] = temp;

Console.WriteLine("\nAfter rotating array becomes: [{0}]", string.Join(", ", nums));

Que-43.

int[] nums = {1, 2, 5, 7, 8};

Console.WriteLine("\nArray1: [{0}]", string.Join(", ", nums));

var h\_val = nums[0];

for (var i = 0; i < nums.Length; i++)

{

if (nums[i] > nums[0])

h\_val = nums[i];

}

Console.WriteLine("\nHighest value between first and last values of the said array: {0}", h\_val);

Que-44.

int[] array1 = {1, 2, 5};

Console.WriteLine("\nArray1: [{0}]", string.Join(", ", array1));

int[] array2 = {0, 3, 8};

Console.WriteLine("\nArray2: [{0}]", string.Join(", ", array2));

int[] array3 = {-1, 0, 2};

Console.WriteLine("\nArray3: [{0}]", string.Join(", ", array3));

int[] new\_array = { array1[1], array2[1], array3[1] };

Console.WriteLine("\nNew array: [{0}]", string.Join(", ", new\_array));

Que-45.

for (int i = 0; i < arr\_size; i++)

{

int count = 0;

for (int j = 0; j < arr\_size; j++)

{

if (arr[i] == arr[j]

{

count++;

}

if (count % 2 != 0)

{

return arr[i];

return -1;

}

//Driver code

public static void Main()

{

int[] arr = { 2, 3, 5, 4, 5, 2, 4, 3, 5, 2, 4, 4, 2 };

int n = arr.Length;

Console.Write(getOddOccurrence(arr, n));

}

}