https://www.w3resource.com/csharp-exercises/for-loop/index.php

Write the Program (18-40) You are eligible or not for Any Job using c#

class Program

{

static void Main(string[] args)

{

int num1;

Console.WriteLine("Enter the Num1 & Num2:");

num1=Convert.ToInt32(Console.ReadLine());

//num2 = Convert.ToInt32(Console.ReadLine());

if(num1<18)

{

Console.WriteLine("not eligible");

}

if(num1>18 && num1<40)

{

Console.WriteLine("eligible");

}

else

{

Console.WriteLine("your age is expiry");

}

}

}

Write the Program check the value are EVEN or ODD

static void Main(string[] args)

{

int num1;

Console.WriteLine("Enter the Num1 & Num2:");

num1=Convert.ToInt32(Console.ReadLine());

if(num1 % 2==0)

{

Console.WriteLine("Entered Num is: EVEN");

}

else

{

Console.WriteLine("Entered Num is: OOD ");

}

}

C# Program to perform Celsius to Fahrenheit conversion

static void Main(string[] args)

{

int celsius, fahrenheit;

Console.WriteLine("Enter The temperature in celsius (\*c)");

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

fahrenheit = (celcius \* 9) / 5 + 32;

Console.WriteLine("Temperature in fahrenheit is (\*F)" + fahrenheit);

Console.Read();

}

Write the program Swipe Two number

static void Main(string[] args)

{

int num1, num2, temp;

Console.WriteLine("Enter First Number");

num1 = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the second number");

num2 = Convert.ToInt32(Console.ReadLine());

temp = num1;

num1 = num2;

num2 = temp;

Console.WriteLine("your first enter number"+num1);

Console.WriteLine("your second number"+num2);

Console.Read();

}

Write a program in C# Sharp to display the first 10 natural numbers

1 2 3 4 5 6 7 8 9 10

static void Main(string[] args)

{

int i;

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

{

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

}

}

**C# Sharp Exercises: Display the sum of first 10 natural numbers**

1 2 3 4 5 6 7 8 9 10 sum=55

static void Main(string[] args)

{

int i , sum = 0;

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

{

sum = sum + i;

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

}

Console.WriteLine("your sum={0}",sum);

}

Write a program in C# Sharp to display following Pattern.

int i,j,rows;

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

Console.Write("Display the pattern like right angle using asterisk:\n");

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

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

Console.Write("Input number of rows : ");

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

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

{

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

Console.Write("\*");

Console.Write("\n");

}

int i,j,rows;

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

Console.Write("Display the pattern as right angle triangle using number:\n");

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

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

Console.Write("Input number of rows : ");

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

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

{

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

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

Console.Write("\n");

}

int i,j,rows;

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

Console.Write("Display the pattern like right angle triangle which repeat a number in a row:\n");

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

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

Console.Write("Input number of rows : ");

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

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

{

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

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

Console.Write("\n");

}

Write a program in C# Sharp to make such a pattern like a pyramid with numbers increased by 1.  
The pattern is as follows:

int i,j,spc,rows,k,t=1;

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

Console.Write("Display the pattern like pyramid with numbers increased by 1:\n");

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

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

Console.Write("input number of rows : ");

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

spc=rows+4-1;

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

{

for(k=spc;k>=1;k--)

{

Console.Write(" ");

}

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

Console.Write("{0} ",t++);

Console.Write("\n");

spc--;

Write a program in C# Sharp to make such a pattern like a pyramid with an asterisk

int i,j,spc,rows,k;

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

Console.Write("Display the pattern like pyramid with asterisk:\n");

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

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

Console.Write("Input number of rows : ");

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

spc=rows+4-1;

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

{

for(k=spc;k>=1;k--)

{

Console.Write(" ");

}

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

Console.Write("\* ");

Console.Write("\n");

spc--;

Write a C# Sharp program to calculate the factorial of a given number.

int i,f=1,num;

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

Console.Write("Calculate the factorial of a given number:\n");

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

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

Console.Write("Input the number : ");

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

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

f=f\*i;

Console.Write("The Factorial of {0} is: {1}\n",num,f);

Write a program in C# Sharp to make such a pattern like a pyramid with number which will repeat the number in the same row.  
The pattern is as follows:

int i,j,spc,rows,k;

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

Console.Write("Display the pattern like pyramid with repeating a number in same row:\n");

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

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

Console.Write("Input number of rows : ");

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

spc=rows+4-1;

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

{

for(k=spc;k>=1;k--)

{

Console.Write(" ");

}

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

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

Console.Write("\n");

spc--;

Write a program in C# Sharp to display the pattern like a pyramid using asterisk and each row contain an odd number of asterisks.

int i,j,n;

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

Console.Write("Display the pattern like pyramid containing odd number of asterisks:\n");

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

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

Console.Write("Input number of rows for this pattern :");

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

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

{

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

Console.Write(" ");

for(j=1;j<=2\*i-1;j++)

Console.Write("\*");

Console.Write("\n");

}

Write a program in C to display the pattern like a diamond. The pattern is as follows :

int i,j,r;

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

Console.Write("Display the pattern like diamond:\n");

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

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

Console.Write("Input number of rows (half of the diamond) :");

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

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

{

for(j=1;j<=r-i;j++)

Console.Write(" ");

for(j=1;j<=2\*i-1;j++)

Console.Write("\*");

Console.Write("\n");

}

for(i=r-1;i>=1;i--)

{

for(j=1;j<=r-i;j++)

Console.Write(" ");

for(j=1;j<=2\*i-1;j++)

Console.Write("\*");

Console.Write("\n");

}

Write a C# Sharp Program to determine whether a given number is prime or not.

int num,i,ctr=0;

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

Console.Write("Check whether a given number is prime or not:\n");

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

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

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

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

for(i=2;i<=num/2;i++){

if(num % i==0){

ctr++;

break;

}

}

if(ctr==0 && num!= 1)

Console.Write("{0} is a prime number.\n",num);

else

Console.Write("{0} is not a prime number\n",num);

}

Write a program in C# Sharp to display the first n terms of Fibonacci series.  
The series is as follows :   
Fibonacci series 0 1 2 3 5 8 13

int prv=0,pre=1,trm,i,n;

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

Console.Write("Display the first n terms of fibonacci series:\n");

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

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

Console.Write("Input number of terms to be display : ");

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

Console.Write("Here is the fibonacci series upto to {0} terms : \n",n);

Console.Write("{0} {1}", prv,pre);

for(i=3;i<=n;i++)

{

trm=prv+pre;

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

prv=pre;

pre=trm;

}

Console.Write("\n");

Write a program in C# Sharp to display the number in reverse order. [Go to the editor](https://www.w3resource.com/csharp-exercises/for-loop/index.php#editorr)  
Test Data :   
Input a number: 12345

int num,r,sum=0,t;

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

Console.Write("Display the number in reverse order:\n");

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

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

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

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

for(t=num;t!=0;t=t/10)

{

r=t % 10;

sum=sum\*10+r;

}

Console.Write("The number in reverse order is : {0} \n",sum);

}