

## Consola en C#

El método `Console.ReadLine()` acepta datos en formato *string* por lo que hay que hacer una conversión de tipos dependiendo de las variables que queremos leer.

Os dejo algunos ejemplos en los que podéis ver los métodos que se necesitan en cada caso.

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

Numeric Type	Method
decimal	<a href="#">ToDecimal(String)</a>
float	<a href="#">ToSingle(String)</a>
double	<a href="#">ToDouble(String)</a>
short	<a href="#">ToInt16(String)</a>
int	<a href="#">ToInt32(String)</a>
long	<a href="#">ToInt64(String)</a>
ushort	<a href="#">ToUInt16(String)</a>
uint	<a href="#">ToUInt32(String)</a>
ulong	<a href="#">ToUInt64(String)</a>

```
Console.WriteLine("Escriba la longitud:");  
string l = Console.ReadLine();  
double L = double.Parse(l);
```

```
Console.WriteLine("Ingrese primer valor: ");  
int valor1 = Convert.ToInt32(Console.ReadLine());  
Console.WriteLine("El primer valor es: " + valor1);
```

```
int numVal = Int32.Parse("-105");  
Console.WriteLine(numVal);  
// Output: -105
```

```
int edad;
```

```
string nombre;
```

```
Console.WriteLine ("Introduzca su nombre: ");
```

```
Nombre=Console.ReadLine();
```

```
Console.WriteLine ("Introduzca su edad: ");
```

```
edad= int.Parse((Console.ReadLine()));
```

```
char respuesta='s';  
Console.WriteLine("Estás prestando atención? [S/N]:" );  
Respuesta =Console.ReadLine()[0];
```

```
double d = 5673.74;  
int i;  
// cast double to int.  
i = (int)d;  
Console.WriteLine(i);  
Console.ReadKey();
```

## C# Type Conversion Methods

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Sr.No.	Methods & Description
1	<b>ToBoolean</b> Converts a type to a Boolean value, where possible.
2	<b>ToByte</b> Converts a type to a byte.
3	<b>ToChar</b> Converts a type to a single Unicode character, where possible.
4	<b>ToDateTime</b> Converts a type (integer or string type) to date-time structures.
5	<b>ToDecimal</b>

	Converts a floating point or integer type to a decimal type.
6	<b>ToDouble</b> Converts a type to a double type.
7	<b>ToInt16</b> Converts a type to a 16-bit integer.
8	<b>ToInt32</b> Converts a type to a 32-bit integer.
9	<b>ToInt64</b> Converts a type to a 64-bit integer.
10	<b>ToSbyte</b> Converts a type to a signed byte type.
11	<b>ToSingle</b> Converts a type to a small floating point number.
12	<b>ToString</b> Converts a type to a string.
13	<b>ToType</b> Converts a type to a specified type.
14	<b>ToUInt16</b> Converts a type to an unsigned int type.
15	<b>ToUInt32</b> Converts a type to an unsigned long type.

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### ToUInt64

Converts a type to an unsigned big integer.

```
using System;

namespace TypeConversionApplication
{
    class StringConversion
    {
        static void Main(string[] args)
        {
            int i = 75;
            float f = 53.005f;
            double d = 2345.7652;
            bool b = true;

            Console.WriteLine(i.ToString());
            Console.WriteLine(f.ToString());
            Console.WriteLine(d.ToString());
            Console.WriteLine(b.ToString());
            Console.ReadKey();
        }
    }
}
```

#### Output

```
75
53.005
2345.7652
True
```