

C# Comparison Operators

The C# comparison operator is used to compare two operands. It returns true or false based on the comparison.

Consider **x** is a variable and the value assigned the **x=2** then,

COMPARISON OPERATORS

Operator	Name	Examples
<	Less than	x<5 (returns true)
>	Greater than	x>5 (returns false)
<=	Less than equal to	x<=2 (returns true)
>=	Greater than equal to	x>=2 (returns true)
==	Equal equal to	x==2 (returns true)
!=	Not equal to	x!=2 (returns false)

Sample Program:

```
. using System;
. using System.Collections.Generic;
. using System.Linq;
. using System.Text;
. namespace Comparison_Operator
. {
.     class Program
.     {
.         static void Main(string[] args)
.         {
.             int num1, num2;
```

```

.
.    //Accepting two inputs from the user
.    Console.Write("Enter first number\t");
.    num1 = Convert.ToInt32(Console.ReadLine());
.    Console.Write("Enter second number\t");
.    num2 = Convert.ToInt32(Console.ReadLine());
.
.    //Processing comparison
.    //Check whether num1 is greater than or not
.    if (num1 > num2)
.    {
.        Console.WriteLine("{0} is greater than {1}", num1, num2);
.    }
.    //Check whether num2 is greater than or not
.    else if (num2 > num1)
.    {
.        Console.WriteLine("{0} is greater than {1}", num2, num1);
.    }
.    else
.    {
.        Console.WriteLine("{0} and {1} are equal", num1, num2);
.    }
.    Console.ReadLine();
.    }
.
.    }

```

Output

```

Enter first number    4
Enter second number   6
6 is greater than     4

```