

See <https://aka.ms/new-console-template> Untitled-1

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1 // See https://aka.ms/new-console-template for more information
2 int a = 3;
3 int b = a++;
4 Console.WriteLine($"a is {a}, b is {b}");
5
6 #region Exploring unary operators
7 int c = 3;
8 int d = ++c;
9 //prefix means increment c before assigning it.
10 Console.WriteLine($"c is {c}, d is {d}");
11 #endregion
12
13 #region Exploring binary operators
14 int e = 11;
15 int f = 3;
16 Console.WriteLine($"e is {e}, f is {f}");
17 Console.WriteLine($"e + f = {e + f}");
18 Console.WriteLine($"e - f = {e - f}");
19 Console.WriteLine($"e * f = {e * f}");
20 Console.WriteLine($"e / f = {e / f}");
21 Console.WriteLine($"e % f = {e % f}");
22 double g = 11.0;
23 Console.WriteLine($"g is {g:M1}, f is {f}");
24 Console.WriteLine($"g / f = {g / f}");
25 #endregion
26
27 #region Exploring Assigning operators
28 int p = 6;
29 p += 3; // Equivalent to: p = p + 3;
30 p -= 3; // Equivalent to: p = p - 3;
31 p *= 3; // Equivalent to: p = p * 3;
32 p /= 3; // Equivalent to: p = p / 3;
33 #endregion
34
35 #region Exploring null operators
36 string? authorname = Console.ReadLine();
37 //Prompt user to enter an author name.
38 //The maxLength variable will be length of authorname if it is.
39 // not null, or 30 if authorName is null.
40 int maxLength = authorname?.Length ?? 30;
41 // The authorname variable will be "unknown" if authorname was null.
42 authorname ??= "unknown";
43 #endregion
44
45 #region Exploring Logic operators
46 bool p = true;
47 bool q = false;
48 Console.WriteLine($"AND | P | q |");
49 Console.WriteLine($"p | {p & p}, -5 | {p & q, -5}");
```