Increment and Decrement Operators, First Loops

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1 Increment and Decrement Operators

Copy and paste this code into a new Visual Studio project and execute it. Study the output carefully to make sure you understand the mechanism of the increment and decrement operators.

```
int a = 0, b = 0;
Console.WriteLine("Before changing their values:");
Console.WriteLine(\"\ta is \{a\}\\n\tb is \{b\}\\n----");
Console.WriteLine("Incrementing, using postfix and prefix operators:");
++b;
Console.WriteLine(\"\ta is \{a\}\\n\tb is \{b\}\\n----");
Console.WriteLine("Decrementing, using postfix and prefix operators:");
a--;
--b;
Console.WriteLine($"\ta is {a}\n\tb is {b}\n----");
Console.WriteLine("When combining decrementing and incrementing operators"
   + " with other operations, \nit makes a difference whether you use"
   + " postfix or prefix operators!");
int c = a--, d = ++b;
Console.WriteLine($"\ta is {a} (the decrementing took place as expected)\n"
   + $"\tb is {b} (the incrementing took place as expected)\n"
   + $"\tc is {c} (c got its value *before* a was decremented)\n"
   + $"\td is {d} (d got its value *after* b was incremented)\n"
   + $"----");
```

2 First While Loops

- 1. Write a while loop that displays the integers between 1 and 100 on the screen, with a space between them.
- 2. Write a while loop that displays the * (asterisk) character 100 times on the screen.

3.	Modify your previous loop, so that a new line character is displayed on the screen every time 1	10
	asterisks have been displayed on the screen. That is, your program should display this 10 x 10 grid o	n
	the screen:	

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