Given a positive integer number and a certain length, we need to modify the given number to have a specified length. We are allowed to do that either by cutting out leading digits (if the number needs to be shortened) or by adding 0s in front of the original number.

**Example**

* For number = 1234 and width = 2, the output should be  
  integerToStringOfFixedWidth(number, width) = "34";
* For number = 1234 and width = 4, the output should be  
  integerToStringOfFixedWidth(number, width) = "1234";
* For number = 1234 and width = 5, the output should be  
  integerToStringOfFixedWidth(number, width) = "01234".

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] integer number**

A non-negative integer.

*Constraints:*  
0 ≤ number ≤ 105.

* **[input] integer width**

A positive integer representing the desired length.

*Constraints:*  
1 ≤ width ≤ 5.

* **[output] string**

The modified version of number as described above.

<https://codefights.com/arcade/code-arcade/well-of-integration/kvGfZZxGyjNbD7yxv>

static string integerToStringOfFixedWidth(int number, int width)

{

string ns = number.ToString();

if (width < ns.Length)

{

return ns.Substring(ns.Length - width, width);

}

else if (ns.Length == width)

{

return ns;

}

string c = new string('0', width - ns.Length);

return c + ns;

}