**Print a Rectangle Using Asterisks**

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C#

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Write a method that, given two arguments, width and height, returns a string representing a rectangle with those dimensions.

The rectangle should be filled with spaces, and its borders should be composed of asterisks (\*).

For example, the following call:

GetRectangleString(3, 3);

Should return the following string:

\*\*\*

\* \*

\*\*\*

End each line of the string (including the last one) with a carriage return-line feed combination.

Note: You may assume that width and height will always be greater than zero.

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

public static string GetRectangleString(int width, int height)

{

StringBuilder sb = new StringBuilder();

for (int j = 0; j < height; j++)

{

for (int i = 0; i < width; i++)

{

if (i == 0 || i == width - 1 || j == 0 || j == height - 1)

{

//Console.Write("\*");

sb.Append("\*");

}

else

{

sb.Append(" ");

//Console.Write(" ");

}

}

//Console.WriteLine();

sb.Append("\r\n");

}

return sb.ToString();

}

static void Main(string[] args)

{

Console.WriteLine( GetRectangleString(4,5));

//Expected: "\*\*\*\r\n\* \*\r\n\*\*\*\r\n"

//But was: "\*\*\*\n\* \*\n\*\*\*\n"

Console.ReadLine();

}

}

}