

WEEK_1_20206277_2_d

```
1 // Nguyễn Quang Dũng - 20206277
2 using System;
3 namespace tree
4 {
5     class Program
6     {
7         static void Main(string[] args)
8         {
9             Console.WriteLine("Enter the height of the tree:");
10            int height = Convert.ToInt32(Console.ReadLine());
11            for (int i = 0; i < height; i++)
12            {
13                for (int k = 0; k < height - 1 - i; k++)
14                {
15                    Console.Write(" ");
16                }
17                for (int j = 0; j < i; j++)
18                {
19                    Console.Write(" *");
20                }
21                Console.WriteLine();
22            }
23            for (int l = 0; l < height - 2; l++)
24            {
25                Console.Write(" ");
26            }
27            Console.Write("| |");
28            Console.ReadLine();
29        }
30    }
31 }
```

Output

The screenshot shows the Visual Studio IDE with the following components:

- Code Editor:** Displays the C# code for a program named `tree`. The code prompts the user for the height of a tree and prints a corresponding pattern of asterisks and spaces. The current line of execution is highlighted at line 17.
- Output Window:** Shows the program's output, including the prompt "Enter the height of the tree:", the input "10", and the resulting tree pattern:

```
*
 *
* *
* * *
* * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
| |
```
- Debugger:** The **Autos** window is open, showing the current state of the program. The **Error List** window is also open, showing 0 errors and 0 warnings.
- Bottom Bar:** The status bar indicates the program is **Ready**.