

DOTNET ASSIGNMENT

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1. Print triangle - and allow user to set height of it in. Like in the following case it's 4

```
*  
***  
*****  
*****
```

```
8  
9 using System;  
10  
11 public class TriangleProgram  
12 {  
13     public static void Main()  
14     {  
15         Console.WriteLine("Program for displaying pattern of *.");  
16         Console.Write("Enter the height of the triangle: ");  
17         int n = Convert.ToInt32(Console.ReadLine());  
18  
19  
20         for (int i = 1; i <= n; i++)  
21         {  
22             for (int j = 0; j <= (n - i); j++)  
23             {  
24                 Console.Write(" ");  
25             }  
26             for (int k = 0; k < i * 2 - 1; k++)  
27             {  
28                 Console.Write("*");  
29             }  
30             Console.WriteLine();  
31         }  
32     }  
33 }
```

input

```
Program for displaying pattern of *.  
Enter the height of the triangle: 4  
*  
***  
*****  
*****
```

2. Find valid date (MMDDYYYY) from string.

For example :-

Hdjsh asd2324234jghjsd hjsdg sdhk **12212021** idf32432 32423 d34234jh dfh

Main.cs	Output
<pre>1 // Online C# Editor for free 2 // Write, Edit and Run your C# code using C# Online Compil 3 using System; 4 using System.Text.RegularExpressions; 5 using System.Globalization; 6 7 class HelloWorld { 8 public static void Main(string[] args) { 9 10 11 string stringWithDate = "Employee Filter: All Employees; Time Entry Dates: 01 /07/2016-01/07/2016; Exceptions: All Exceptions"; 12 Match match = Regex.Match(stringWithDate, @"^(\d{2})\/(\d{2})\/(\d{4})"); 13 string date = match.Value; 14 if (!string.IsNullOrEmpty(date)) { 15 var dateTime = DateTime.ParseExact(date, "MM/dd/yyyy", CultureInfo .CurrentCulture); 16 Console.WriteLine(dateTime.ToString()); 17 } 18 } 19 }</pre>	<pre>mono /tmp/1qNytFkTn3.exe 01/07/2016 00:00:00</pre>