**DOTNET ASSIGNMENT**

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

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**Ans.**

using System;

class Triangle

{

static void Main()

{

Console.WriteLine("Enter the height of the triangle:");

int height = int.Parse(Console.ReadLine());

for (int i = 1; i <= height; i++)

{

Console.WriteLine(new string(' ', height - i) + new string('\*', 2 \* i - 1));

}

}

}

1. Find valid date (MMDDYYYY) from string.

For example :-

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

**Ans.**

using System;

using System.Text.RegularExpressions;

class ValidDateFinder

{

static void Main()

{

string input = "Hdjsh asd2324234jghjsd hjsdg sdhk 12212021 idf32432 32423 d34234jh dfh";

string pattern = @"(0[1-9]|1[0-2])(0[1-9]|[12][0-9]|3[01])\d{4}";

MatchCollection matches = Regex.Matches(input, pattern);

Console.WriteLine("Valid dates found:");

foreach (Match match in matches)

{

Console.WriteLine(match.Value);

}

}

}