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

\*

\*\*\*

\*\*\*\*\*

\*\*\*\*\*\*\*

**Code:**

using System;

class Pattern{

public static void Main(string[] args){

Console.Write("Enter traingle height: ");

int height = Convert.ToInt32(Console.ReadLine());

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

for(int sp = i; sp<height; sp++){

Console.Write(" ");

}

for(int j=1; j<=i\*2-1; j++){

Console.Write("\*");

}

Console.WriteLine();

}

}

}

**2. Find valid date (MMDDYYYY) from string.**

**For example :-**

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

**Code:**

using System;

using System.Text.RegularExpressions;

using System.Collections.Generic;

class Program

{

static void Main(string[] args)

{

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

List<string> dates = findDates(input);

Console.WriteLine("Valid dates found in the string:");

foreach (string date in dates)

{

Console.WriteLine(date);

}

}

static List<string> findDates(string input)

{

List<string> dates = new List<string>();

string pattern = @"\b(0[1-9]|1[0-2])(0[1-9]|[12][0-9]|3[01])(19|20)\d{2}\b";

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

foreach (Match match in matches)

{

dates.Add(match.Value);

}

return dates;

}

}