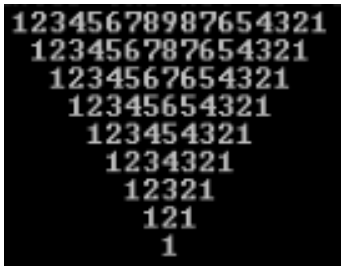
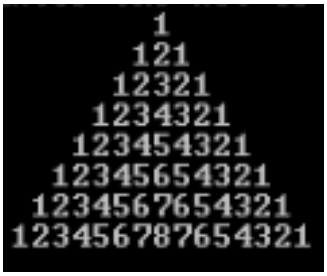
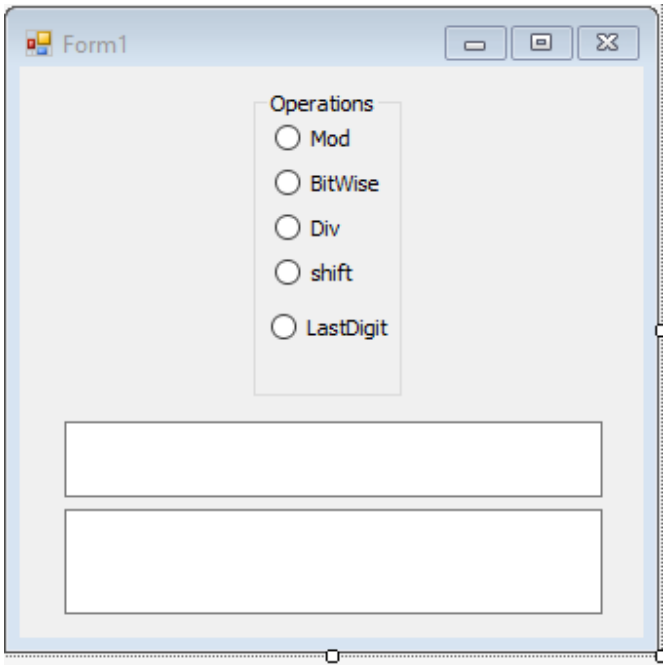
1. Write a window form application to display each of the following patterns in a multi-line textbox when a user click a button?





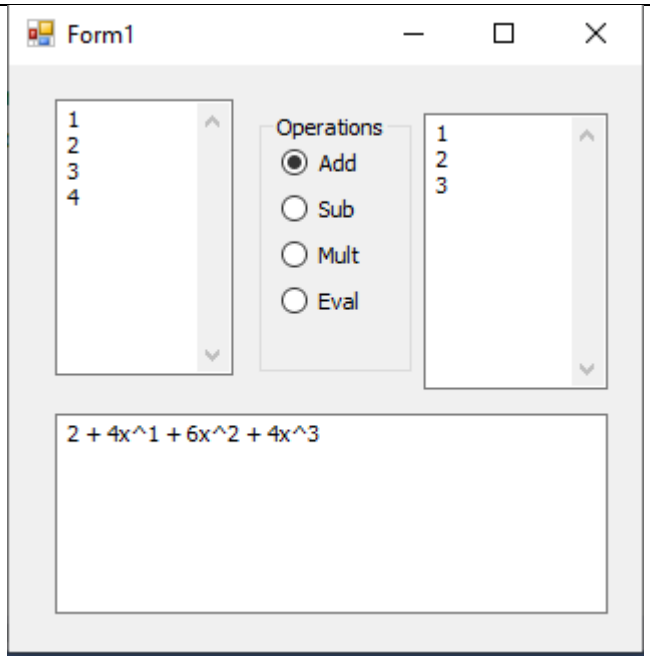
2. Write and test a class that contains five different methods each of them can be used to to check if a number is odd or even.

Solution:

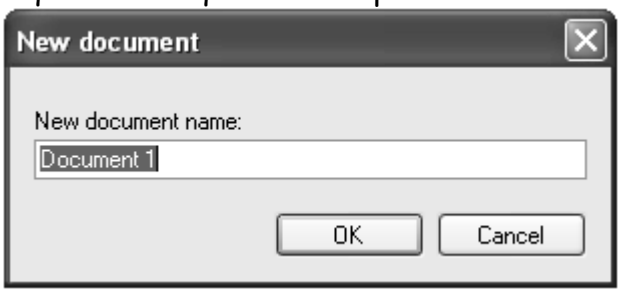


3. Write a class contains methods for performing arithmetic (adding, substracting, multipling, and evaluation) on single-variable polynomials with integer coefficients. Represent them as arrays of their coefficients as in the example below: x2 + 5 = 1x2 + 0x + 5 -> [5,0,1]. Test your class by writting a winform application that accepts the coefficients of the polynomials through multi-line textBoxes.

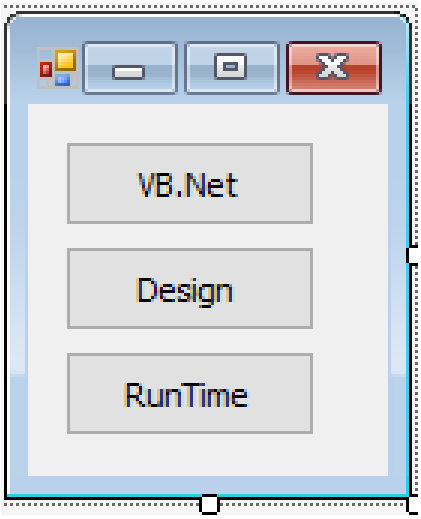
Solution:



4. Write a C# application to simulate InputBox method known from VB and VB.NET. Three different techniques are required to implement.



Testing



Write a C# winform application that can be used as a simple fraction calculator(+,-,*,/) and having the following interface. The two fraction numbers are inputted through a multi-line textbox and the output in reduced form is displayed through a messageBox.
You have to write a simple C# class representing fractions. Your class have one constructor that takes values of numerator and denominator like: Fraction(1,5); //

for 1/5. Your class also have two readonly properties for numerator and denominator. Your class also have four operations for +,-,* and /.