1. Convert all the flowcharts & pseudo codes done in class or as assignment into programs.
2. Write a program that works as a simple calculator. It reads two integers and a character. If the character is a +, the sum is printed; if it is a -, the difference is printed; if it is a *, the product is printed; if it is a /, the quotient is printed; and if it is a %, the remainder is printed.
3. Write a program to determine if the entered character is upper cases or lower case or is an invalid character
4. Write a program that takes a year as integer from user and checks if it is leap year or not.
5. Write a program to calculate square root of a given number to the closest whole number
6. Given a number convert it into binary.
7. You are given S - a sequence of n integers S = s_1, s_2, ..., s_n. Please, compute if it is possible to split S into two parts: s_1, s_2, ..., s_i and s_{i+1}, s_{i+2}, ..., s_n (1 <= i < n) in such a way that the first part is strictly decreasing while the second is strictly increasing one. First take n as input and then take n more integers, Output yes or no
8. Write a program to print Pascal's Triangle

```
                    1
                1       1
            1       2       1
        1       3       3       1
    1       4       6       4       1
```