Lab 4 – Program with Persistent Data

Exercise 1 – Binary Files

Download the file **numbers**.bin

This file is a binary files containing integers number. Write a program that read all the file and

    a. Display the number of numbers that are above 10
    b. Display the number of odd and the number of even numbers

    c. Write a program that read only the fourth and sixth number in the file and display the two numbers and their sum. The output should be something as:

> *The fourth number is: 5*
> *The sixth number is: 6*
> *The sum is: 11*

Exercise 2 - Text Files

Download the file **text4.txt**

Write a program that reads the text file and display the following statistics:

    a. Number of small letters (i.e. 'a' or 'b' or 'c' or …..,'z')
    b. Number of capital letters (i.e. 'A' or 'B' or 'C' or….,'Z')
    c. Number of all the other characters that are not small or capital letters