Seminar 7

Exercise 1

Write a program that reads filenames from the keyboard until the word '*end*' is entered. From all the filenames read, determine the file that contains the maximum number of uppercase letters and print the filename and its content on the screen. The files can contain any number of characters. If there are more files with the same maximum number of capital letters, then the first such file (in the order in which they are read) must be selected.

The program must contain two additional modules with the following functions:

- a function that receives a filename as a parameter and computes the number of uppercase letters from that file

- a function that receives a filename as a parameter and prints its name and content on the screen

Exercise 2

Read the name of a file from the keyboard. Read all decimal numbers (represented on doublewords) from the specified file and print on the screen only those numbers for which the following property is true:

- the low byte of the high word is a prime number

The program must contain an additional module with a function that receives a number as a parameter and checks whether the number has the above property.