**KOONDTÖÖ IAX0584. GROUP WORK IAX0584**

Igale ülesandele min 3 funktsiooni, millest üks peab olema andmetüüpi. Kõik funktsioonid peavad kasutama parameetreid ja asuma erifailis.

For each task min 3 functions, one of which must be of data type. All functions must use parametersand in different fail.You must use dynamic memory allocation too

## Task

Write an algorithm and a program code corresponding to it, which will have the following requirements:

1. String **T** and symbols **v** and **u** will be inputted from keyboard
2. Program will create another string **Q**, which elements are the symbols from string **T** with the symbols **v** exchanged with symbols **u** and the other way around.
3. The string **Q** will be displayed on screen.

## Task

Write an algorithm and a program code corresponding to it, which will have the following requirements:

1. The program will read real valued ( parameters **x** and  **(0 < < 1)** from file **S**.
2. Program will create a real valued array **Y**, with elements:  
   until abs( y[i]-y[i+1] )<ℇ
3. Program outputs to screen the number of elements **k** in array **Y** and also all of the elements with their indexes.

## Task

Write an algorithm and a program code corresponding to it, which will have the following requirements:

1. Program inputs positive integers from a array S[N] (every number is less than 3889),15>N>5
2. Program outputs each inputted number and its Roman notation, row by row. For example  
   5 V  
   11 XI  
   1 I  
   100 C  
   …