***GROUP WORK* LEADER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CODE WRITER:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A group consists of at least two members.**

**TASKS and ROLES**

**1. Each group member must be a LEADER once and a CODE WRITER once.**

**The LEADER's task**

**1. Understand the algorithm and, if necessary, supplement/correct it.**

**2. Create a MAIN function based on the algorithm with general descriptions of the necessary subtasks.**

**(calls to functions and their prototypes).**

**3. Transfers, with explanations, the created MAIN function to the code writer.**

**CODE WRITER task**

**1. Analyze the received MAIN function and prototypes (if necessary, ask the MANAGER for an explanation).**

**2. Compile function codes.**

**3. Transfer the compiled functions to the MANAGER.**

**MANAGER and CODE WRITER together: test the result obtained. It is recommended to use initialization, control output of input data and debugging by function.**

**NB! It is forbidden to use global variables**

**Write : TASK 1**

**find factorial subfunction;**

**also write the main program that executes this subroutine.**

**Write: TASK2**

**a program that creates an array (can be of any size) and prints on the screen, finds the minimum value and the maximum value in the array.**

**Finds two arrays: the quotient of the array element with the minimum value and the second quotient with the maximum value.**

**Create a subfunction that prints 3 arrays (original, quotient min, quotient max).**

**Write: TASK3**

**a program that introduces you to the star array;**

**subfunction 1: create letter array;**

**subfunction 2: sort the vowels and consonants from this array and print them on two separate lines;**

**the main program consists of calls to subfunctions.**

**Write: TASK4**

**a program that performs the exchange of the values of the row and column elements specified by the user in the array.**

**as two subfunctions: a printout from an array and a function from exchangeable vectors.**