Homework II subject IAG0581 Programming I.

General requirements.

Koosta programm C keeles alltoodud ülesande lahendamiseks.

Ülesande lahendamisel võtta aluseks järgmised juhised:
Programmis on kohustuslik kasutada funktsioone.
Globaalsete muutujate kasutamine EI OLE LUBATUD.
Andmevahetus funktsioonidega toimub VAID PARAMEETRITE KAUDU
Funktsioonide parameetrite nimed ning main-funktsiooni muutujate nimed EI TOHI KATTUDA
Programm peab töötama SUVALISTE algandmetega

Setting up the task.

SUBJECT: Athletics - long jumps

Two arrays are given - an array of athletes and an array of athletes' long jump results (the jump result is given in meters; NB! choose the appropriate variable type). Write a program that outputs the names of the participants in the competition, the top three and the unsuccessful competitors (an unsuccessful jump is indicated by a score of 0)

In the solution, use the following

   functions: • Function for outputting contestants'
   names • Function for ranking contestants based on the results (sort two arrays at the same
      time) and outputting the top three
   • A function that outputs failed competitors (e.competitors with a score of 0)

If desired, use additional functions. When creating the program, use **initialized** arrays for simplicity and time saving . Set the maximum number of participants with the **#define** directive or the constable keyword.

Test data (you can use them when creating the program):
Athletes: Juku Meelis Peeter Ats Teet Paul Anti Peep Mart Results: 4.98 5.10 4.75 4.77 0.00 4.92 5.05 4.95 0.00

An example of program work:

```
Võistluses osalesid: Juku, Meelis, Peeter, Ats, Teet, Paul, Anti, Peep,
Mart

Esikolmik:
 1. koht: Meelis tulemusega 5.10
 2. koht: Anti tulemusega 5.05
 3. koht: Juku tulemusega 4.98

Võistlusel ebaõnnestusid: Teet, Mart
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