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|  |   Tallinna Tehnikaülikool **Arvutisüsteemide instituut** |
|  |   **"PROGRAMMEERIMINE II"** |

***11 week class work.***

***Although the exam gives only 50p, its result shows what you have learned when you pass the subject - at least for yourself. Now how the points are divided and this is also a guide for solving the given task.***

***Of course, there must be no syntax errors using the gcc and no global variables have been used.***

***1 (total 15p). The task is divided into parts, functions, at least 3 10p***

 ***1.1 Prototypes for all functions. -3p***

 ***1.2 There is no functions without parameterless-2p***

***2. (total 20p) Data are described as records, new(typedef) data types are created -5p***

 ***2.1 record size control in input file and memory allocation for dynamic array -10p***

 ***2.2 from the entered file with record size control and allocated memory as a stack - 15p***

 ***2.3 from the entered file with record size control and allocated memory as a list -15p***

***2. (15 p in total) File processing..***

 ***2.1 File name entry and existence check -5p***

 ***2.2 Determining the file size and its basis for memory allocation -5p***

 ***2.3Program correctly divided between 3 files -5p***

**.** **TASK 1.**

**Characters (Latin letters and Arabic numbers with the sequence number of the entry) are entered from the file f9.txt, up to the first vowel. Output the entered consonants with order numbers), in alphabetical order, to the display screen and to the TU.txt file. The numbers output only to the display screen in order of input.**