|  |  |  |  |
| --- | --- | --- | --- |
| **Nr** | **Points** | **Problem** | **Notes** |
|  | 6 | Write in a file 4 integers and then reread the third and fourth ones using random access to the file. |  |
|  | 7 | Read an arbitrary file, compress it to another file and display the *compression ratio*. |  |
|  | 7 | Write a small application that reads a *Latin1* encoded text file and writes its contents into a *UTF-8* one (transcodes it).  Now try to do the reverse operation as well: read a *UTF-8* encoded file text (not the one generated before) and try to transcode it to *Latin1*. Why is this not possible? Output to the console or to another file all the characters that can not be transcoded. |  |