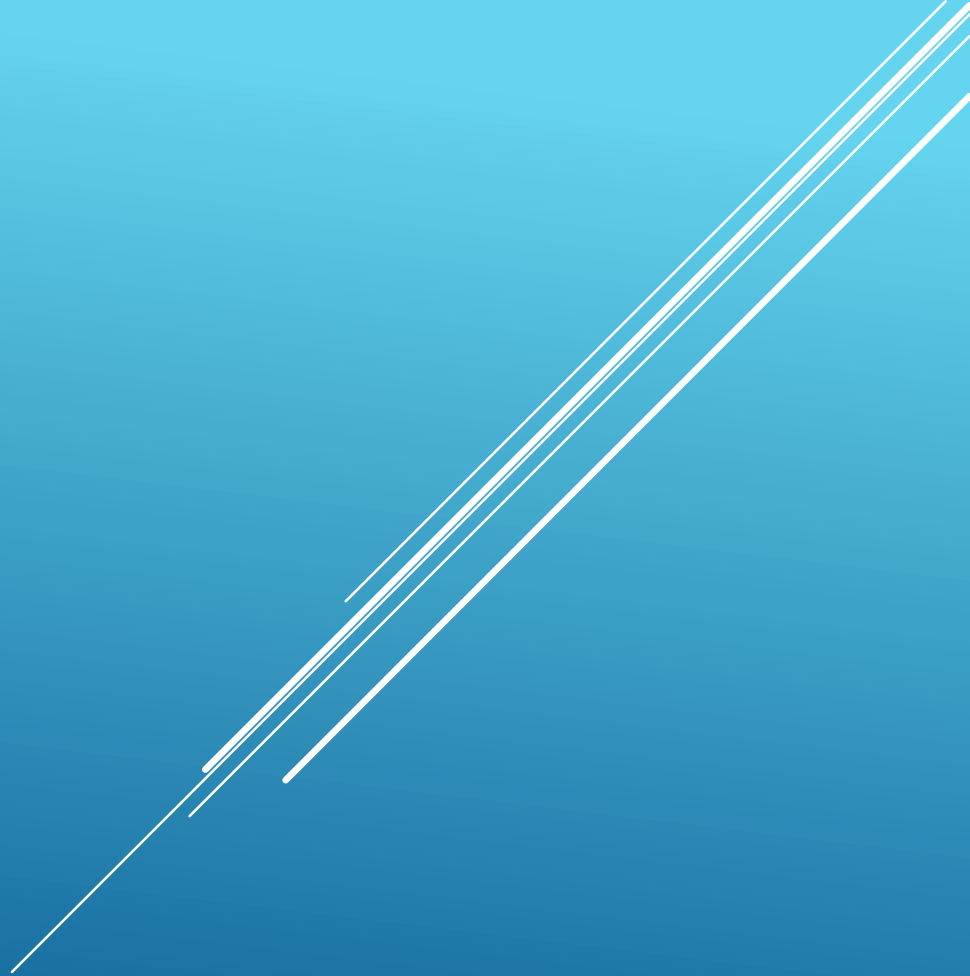


RAČUNALNIŠKA MULTIMEDIA



HOMEWORK 1

- ▶ Write console application with this features (example is below):
 - ▶ Console application should read any binary file where user define BIT datatypes with parameters and write those data in console window.
 - ▶ Console application should read text files with BNIT datatype definition in each row and construct original binary file.
- ▶ Enable all BIT datatypes in this range: BITx {x in [1..64]}.
- ▶ Do NOT use (penalty -50% for each line):
 - ▶ No dynamic data structures (BitArray, List, Dictionary), except array byte[],
 - ▶ Convert data to binary string representation only at the end when you write to console output!
 - ▶ In second stage convert each string part of binary number to integer. Do not use any string operations to input file.

DOMAČA NALOGA 1

- ▶ Example of first feature

- ▶ `DN1.EXE -r datafile.bin BIT1 BIT2 BIT5 > out.txt`

`datafile.bin = { 10111001 10001100 }2 // content of the file`

Application should write to console:

BIT1 1

BIT2 01

BIT5 11001

BIT1 1

BIT2 00

BIT5 01100

DOMAČA NALOGA 1

- ▶ Example of second feature

- ▶ DN1.EXE -w out.txt out.bin

out.txt = {

BIT1 1

BIT2 01

BIT5 11001

BIT1 1

BIT2 00

BIT5 01100

}

out.bin = { 10111001 10001100 }₂