Report for Lab Work 01:
Computing Basises (Number Systems, Binary Arithmetic, Boolean Algebra)

|  |  |  |
| --- | --- | --- |
| **Student Name Surname** | **Student DOB (dd.mm.yyyy)** | **Date** |
|  |  |  |

Table with Task Answers.

|  |  |  |
| --- | --- | --- |
| Nr | Assignment, Instruction, Variant of Task | Detailed Answer |
| 3.1 | Convert Decimal integer to a) Binary, b) Octal, c) Hexadecimal, d) Check your answer by converting Bin🡪Dec* Choose your variant x = 1st letter of your Name in the English alphabet.
* Use your date of birth to number generation from date template DdMmYYyy.

x) Your Variant of Task Text … |  |
| 3.2 | Convert a Decimal real number to a) Binary integer & b) Binary fraction with an accuracy of 8 digits after RADIX point.* Choose your variant x = 1st letter of your Surname in the English alphabet.
* Use your date of birth to number generation from date template DdMmYYyy.

x) Your Variant of Task Text … |  |
| 3.3 | Convert Binary integer number to a) Decimal, b) Octal, c) Hexadecimal.* Choose your variant x = 2nd letter of your Name in the English alphabet.

x) Your Variant of Task Text … |  |
| 3.4 | You need a) add two binary numbers; b) check your answer by converting Bin🡪Dec.* Choose your variant x = 2nd letter of your Surname in the English alphabet.

x) Your Variant of Task Text … |  |
| 3.5 | Find value for a Boolean expression.* Choose your variant x = 3rd letter of your Name in the English alphabet or 3rd letter of your Surname in the English alphabet (if you Name is short).

x) Your Variant of Task Text … |  |