POLSKO-JAPOŃSKA AKADEMIA TECHNIK KOMPUTEROWYCH

Task 1

Display:

- Every literal of the boolean type;

- The same number four times by using four different types of literals: hexadecimal, decimal, octal and binary;

- Any real number literal.

Task 2

Using boolean literals display all the permutations of all pairs of logic values fed to the `&&` and `||` operators.

Task 3

Display the following literals: `1000000` and `1_000_000`. No **not** use underscores. What is the difference between the two printed numbers?

Task 4

Test the following mathematical operators: `+`, `-`, `*`, `/`, and `%` on pairs of:

- Integers;

- Real numbers;

- Character types.

Task 5

Create two variables of a type `int` and initialize them with the value `1_500_000_000`. The print their sum. What needs to be changed in order to obtain the correct result?

Task 6

Create a program which will inform the user whether the number they have input was even or odd.

Task 7

Create a program that will read three numbers from the user (let's call them a, b, and c). The program should such operations on them such that when they are printed using System.out.println(a + " " + b + " " + c) the displayed numbers will be in the ascending order. Do not use arrays, collections or Strings.

Task 8

Create a program that will read four integers and display the difference between the greatest and the smallest among them. Do not use arrays, collections or Strings.