

PPJ03

October 14, 2022

1 Problem 1

Create a java program in a file called Literals.java. This program should print out:

1. every possible literal of logical values
2. literals of the same number in decimal, octal, hexadecimal and binary way
3. literal of a real number
4. at least two character literals, while at least one of them should be encoded in UTF-16

2 Problem 2

Create a program Underscore.java which will print out two literals:

- 1000000
- 1_000_000

Do not use "" marks. Did the number printed change?

3 Problem 3

Create a program Longer.java. This program should not compile because the value saved in the literal is too big. Will adding suffix l or L change anything?

4 Problem 4

Create a program, which will check how the mathematic operations (+,-,*,/,%) will function with literals of:

- integer numbers
- real numbers
- character values

5 Problem 5

Lets say your student number (without the s) represents a hexadecimal number. Convert and print out this number in base2.

6 Problem 6

Using boolean variables (with values true, false), and logical operators (|| and &&) create a program, which will print out the table of boolean mappings. The output should look like:

```
|| true false  
true true true  
false true false
```

```
&& true false  
true true false  
false false false
```