

## Tutorial: Logical Expressions and classes

### Exercise 1:

(i)-Circle the operator which is not a relational operator?

- a. ==
- b. <
- c. !=
- d. &&
- e. >=

(ii)- If **value** is a Boolean variable, which of the following logical expressions always has the value FALSE?

- a. value && value
- b. value || value
- c. value && ! value
- d. value || ! value
- e. b and d above

(iii)- Which statement is correctly written? (suppose that beta is an integer variable and result is a Boolean variable)

- a. result = 0 < beta < 100 ;
- b. result = 0 < beta && beta < 100 ;
- c. result = (0 < beta) && (beta < 100) ;
- d. b and c above
- e. a, b, and c above

### Exercise 2:

**We would like to write a program that reads a number of seconds, a number of minutes and a number of hours. Then converts them into seconds and print the result. For that:**

1. determine the input and the output
2. list the needed variables and their types
3. write down a suitable conversion formula(s) that solves the problem
4. Suggest and write a complete java program solution using class time that contains hours, minutes, and seconds