ACTIVITY 1

SECTION 1.2

3

(!(a && b) && (a || b)) || ((a && b) || !(a || b)) is equivalent to true. DONE

4

(a == b) DONE

6

=> Result 3

   Is not returning 3.33333333 because both are integers and the compiler need one of them declared as double to make the conversion

7

a) Result 2bc, concatenates number 2 with string "bc"

b) Result 5bc, Sums number 2 plus number 3 and then concatenates string "bc"

c) Result 5bc, Same as b) but using parenthesis avoid the type conversion validation

d) Result bc5, Because the parenthesis, the compilar does firts the summatory and concatenates the result with the string "bc"

e) Result bc23, the compilar does first the concatenations of string "bc" with 2, the result is a string, then concatenates the result with 3

9

a) Result b prints char 'b'

b) Result 197 Compiler is getting hex value of each character and then sum the values

c) Result e Compiler gets the char hex value for a and sum 4, result is converted to the char value

10

a) Result 2147483647 Return max int value

b) Result -2147483648 Because the positive max int value is a, sum 1 returns negative value

c) Result -2147483645 Returns negative int max value minus 2

d) Result 2147483647 Returns max int value because the negative number

e) -2 ?

f) -4 ?

11

a) Result 3.14159 Result initial value

b) Result 4.14159 Sum integer value of the original variable

c) Result 2 Converts double value of a to integer and then the result is the integer part

d) Result 2.5464812403910124 a is double, so the compiler returns a double value

e) Result 2 the result of (8/a) is double, but we applies a intconvertion, result 2

20

DONE

First try: 6

Second try: 3

Thrid try: 9

CREATIVE EXERCISE

29

DONE

Parameters

m = 2 (February)

d = 17

y = 1981

Result => 2 (Tuesday)