INF212
Variables and operators
LABORATORY LEAFLET

STUDENTS VERSION

LABORATORY-1: How to write the simplest programs

LABORATORY 1

Preliminary Study and Tasks	Statement	Explanation
1	Declaration, math, stdbool	Simple mathematical operator
2	Boolean, equality, 'not' utilizations	Relational operators
3	Mathematical function input/output schemes	Mathematical function in Programming

Task 1: Ask the user for the numbers x, y in integer format and z in double format. For these numbers, perform the operations x+y, x*y, x/y (the result will be double format) and x*y*z (the result will be double format) and print the results on the screen. Consider why the result of division (which is x/y) cannot be done correctly.

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Task 2: Ask the user for the integers x and y and print the results of the operators x> y, x = = y, x! = Y and x> 0 && y> 0.

Task 3: Request the x and y numbers in the double format to be used and print the outputs of the following functions on the screen.

Fonk 1) f(x)= sin(x)*pi
Fonk 2) f(x)= cos(x)*pi
Fonk 3) f(x,y)= sin(y)*cos(x)*pi
Fonk 4) f(x,y)= x*sin(y)*cos(x)*pi
Fonk 5) f(x,y)= exp(y)*x*sin(x)*cos(y)*pi