FLCD LAB 1

p1.

# Compute the maximum and the minimum of 3 numbers

int a;

int b;

int c;

read a;

read b;

read c;

int maxim := a;

int minim := a;

if (b > maxim) [

maxim := b;

]

if (c > maxim) [

maxim := c;

]

if (b < minim) [

minim := b;

]

if (c < minim) [

minim := c;

]

write\_to\_console(“Maximul este: “);

write\_to\_console(maxim);

write\_to\_console(“\nMinimul este: “);

write\_to\_console(minim);

p2.

# compute the gcd of 2 numbers

int a;

int b;

read a;

read b;

int r;

while (b != 0) do [

r := a % b;

a := b;

b := r;

]

write\_to\_console(“GCD a celor 2 numere este: “);

write\_to\_console(r);

p3.

# compute the sum of n elements;

int a;

int sum := 0;

int i := 0;

read n;

for (i := 0, i <= n, i +:= 1) [

read a;

sum +:= a;

]

write\_to\_console(“The sum of the numbers is: “);

write\_to\_console(sum);

p1err.

# p1 with 2 lexical errors

# error 1, variables cannot start with a digit

int 1a;

#error 2, semicolon missing

int b

int c;

read a;

read b;

read c;

int maxim := a;

int minim := a;

if (b > maxim) [

maxim := b;

]

if (c > maxim) [

maxim := c;

]

if (b < minim) [

minim := b;

]

if (c < minim) [

minim := c;

]

write\_to\_console(“Maximul este: “);

write\_to\_console(maxim);

write\_to\_console(“\nMinimul este: “);

write\_to\_console(minim);