**Tema 1 laborator PMD**

**1)**

; declaram doua numere, NUM1 si NUM 2 (DB) si calculam o expresie

; [(NUM1++)++] - [(NUM2--)--]

.model small

.data

NUM1 DB 6

NUM2 DB 3

DEF DB 0

.code

main proc

MOV AX, @data ;incarcarea segmentului de date

MOV DS, AX

INC NUM1 ;incrementare num1, num1=num1+1

INC NUM1 ;incremenatre num1,num1=num1+1

DEC NUM2 ;decrementare num2,num2=num2-1

DEC NUM2 ;decrementare num2,num2=num2-1

MOV AL, NUM2 ;copiem num2 in al

NEG NUM1 ;negam num1

ADD AL, NUM1 ;adunam num1 negat cu al(num2)

MOV DEF, AL ;copiem rezultatul al in def

main endp

end**Graphical user interface, text

Description automatically generated**

**Graphical user interface, table

Description automatically generated**

Rezultatul operatiei este stocat in AH.

2)

;A(++)-B(++)+C(++)

.model small

.data

A DB 8

B DB 3

C DB 2

SUM DB 0

.code

main proc

MOV AX, @data ;incarcarea segmentului de date

MOV DS, AX

INC A ;incrementareA

INC B ;incrementam B

INC C ;incremenatreC

MOV AL, B ;copiem B in al

NEG A ;negam A

ADD AL,A ;Adunam -A+B

ADD AL,C ;Adunam C la rezultatul din AL

MOV SUM, AL ;copiem rezultatul in sum

main endp

end

Table

Description automatically generated with medium confidence

Graphical user interface, table

Description automatically generated