DAY : 2 MP LAB. (sub1)

(1) • model small || Sub of 8-bit
  • data
  num1 dB 50
  num2 dB 48
  res dB ?

  • Code
  mov AX, @ Data
  mov DS, AX

  mov AL, num1
  Sub AL, num2
  mov res, AL

  mov AH, 4CH
  Int 21H
  End.

(2) • model small || Sub of 16 bit
  • data
  num1 dw 1234H
  num2 dw 0213H
  res dw?

  • code
  mov ax, @ data
  mov ds, ax

  mov AX, num1
  Sub AX, num2
  mov res, AX

  mov AH, 4CH
  Int 21H
  End

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(3)  .model small                    // multiplication of
     .data                                    8 bit
     num1 db 02H
     num2 db 03H
     res    dw?

        .Code
        mov  ax, @data
        mov  ds, ax

        mov  al, num1
        mul  num2

        mov  res, ax
        mov  ah, 4ch
        int  21H
        end


(4)  . model small          // division of 16-8 bit
     . data

        num1 dw 1234
        num2 dw 67
        Quot  dB?
        Rem   dB?

        ° Code
        mov  AX, @DATA
        mov  DS, AX
        mov  AL, num2
        DIV  Num1
        MOV  QUOT, AL
        mov  Rem, AH

           mov  AH, 4CH
           int  21H
             END
```