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Lab: 1

Question: 1

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AX , 06FH

MOV BX , 021H

MUL BX

MAIN ENDP

END MAIN

Question: 2

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AX , 07F2H

MOV BL , 012H

DIV BL

MAIN ENDP

END MAIN

Question: 3

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AX , 01H

MOV BX , 07H

XCHG AX, BX

END MAIN

Question: 4

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AL, 01H

MOV BL, 02H

ADD AL, BL ;(1+2=3=AL)

MOV BL, 03H

MOV AH, 01H

SUB BL, AH ;(3-1=2=BL)

MUL BL ;(3\*2=6=AL)

MOV BX, 0305H

DIV BL ;(6/5 -> AH= 01(Remainder), AL = 01(Quotient))

ADD AL, BH ;(AL+BH=01+03=04=AL)

END MAIN