

Tutorial-3 MIT

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U20CS110

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Eg1- Write a program to find the number of negative number in the array.

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LXI H, 2000H

MOV C, M

UP: INX H

MOV A, M

ANI 80H

nonnegative: JZ nonnegative

INR B

DCR C

JNZ UP

Eg1:-2 Write a program to find the maximum number in the array

⇒

LXI H, 3000H

MOV C, M

INX H

UP: MOV B, M

CMP B

JNC next

next: MOV A, B

INX H

DCR C

JNZ UP

MOV M, A

Eg.3 Write a program to multiply two 8 bit numbers.

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LXI H, 4000H
MOV B, M
JNX H
MOV C, M
MVI A, 00H
UP: ADD B
    DCR C
    JNZ UP

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END