;alp to accept and print the contents of an array

section .data

msg1 db "Enter the number of elements : "

lenMsg1 equ $ - msg1

msg2 db "Enter the elements in the array : "

lenMsg2 equ $ - msg2

msg3 db "The Elements are : "

lenMsg3 equ $ - msg3

space db " "

lenSpace equ $ - space

newline db 13, 10

lenNewline equ $ - newline

section .bss

array resb 7

arraySize resb 1

whitespace resb 1

%macro write 2

pusha

mov eax, 4

mov ebx, 1

mov ecx, %1

mov edx, %2

int 80h

popa

%endmacro

%macro read 2

pusha

mov eax, 3

mov ebx, 0

mov ecx, %1

mov edx, %2

int 80h

popa

%endmacro

section .text

global \_start:

\_start:

write msg2, lenMsg2

mov ecx, 7

mov edi, array

input:

read edi, 1

read whitespace, 1

inc edi

dec ecx

jnz input

write msg3, lenMsg3

mov ecx, 7

mov esi, array

output:

write esi, 1

write space, lenSpace

inc esi

dec ecx

jnz output

mov eax, 1

int 80h

OUTPUT:

