


Ademu Abdulquddus

Sign: 

1a: The addresses coded in the instruction would have to be updated whenever new variable were inserted before existing ones.

b: Object files
ELF files

3a: Segmentation is the division of memory into group of independent segments referenced by pointers in the segment register.

The segmentation can be done by the use of the right directives and make sure its to the right address

3b

Main Proc :- Identifies the beginning of the program
Mov ax, 47104 - This moves the variable "47104" into the ax register and stores it

add eax, 1270 :- This adds the value "1270" to the EAX 32-bit register

mov ds, ax - This imports the value which was previously stored in the AX register into the DS.

main ENDP - This marks the end of a procedure in the program.

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Sign: usiq

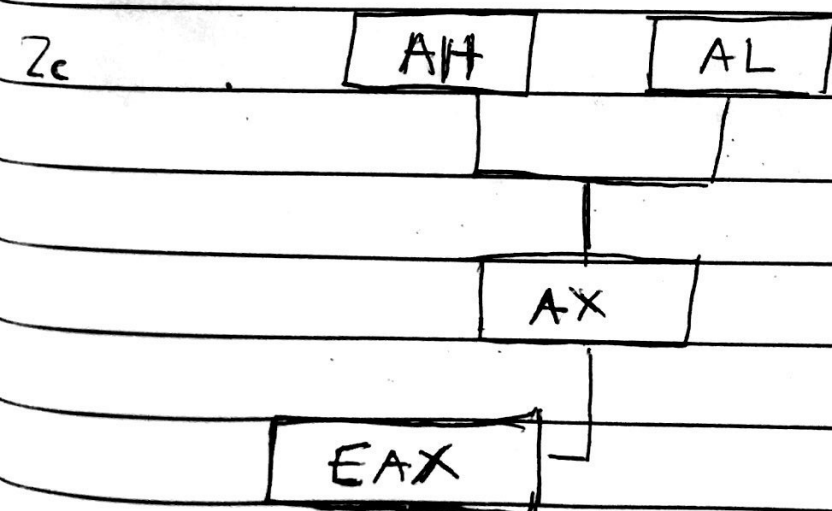
3c(1) Value 1 BYTE 6Dh: this is an uninitialized 8-bit unsigned destination

(2) Value 2 DWORD?: this is an uninitialized 32-bit unsigned destination


(3) Value 3 SBYTE -10, -20, -30, -40, -50: this is a multiple initialized 8-bit signed destination

2a portability is a characteristic attributed to a computer program if it can be used in an operating system other than the one in which it was created without requiring major rework

2b: NO. due to the fact that they are very different processes and bits.



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Sign: 

4] Include Irvine32.Inc

.data

val1 WORD 10000

val2 WORD 40000

val3 WORD 20000

.code

main Proc

mov ax, val2

~~mov~~ sub ax, val1

sub ax, val3

call DumpRegs

exit

main ENDP

END main