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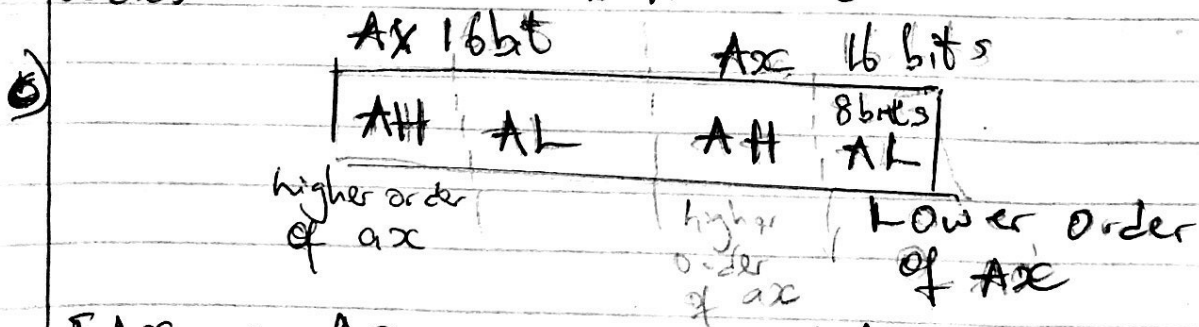
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COE306 :

- 3) Main proc - The proc directive indicates the beginning of a procedure.
- MOV AX, 47104 - The mov instruction copies the integer 47104 to the AX register.
- ADD EAX, 1270 - The ADD instruction adds 1270 to the EAX register.
- MOV DS, AX - TO MOVE instruction copies the DS to the AX register.
- Main ENDp - The Main ENDp is the last statement (indirectly) calls a predefined MS-windows function that holds the program.

- 1) The address coded in the instructions would have to be updated whenever new variables were inserted before existing ones.
- 2) ~~FFF~~ files. Object .OBJ and listing .LST files.
- 3) portability in programming language is the ability of a program to run on other operating systems other than the original operating system. It was intended for without needing major changes to the codes.



- EAX ⇒ AXE - primary accumulator

3) Each Segment is used to contain specific type of data. One segment is used to contain instruction codes, another segment stores the data elements, and a third segment stores the data elements, and a fourth segment keeps the program stack.

2c) ~~(i) Dword - double word 32 bits.~~

(i) Value 1
↑
label

BYTE
↓
directive

GDH %radsc
↓
initializer

This tells system to store bytes under label 1 label. It is an uninitialized byte.

~~4) Little end &~~

(ii) Value 2
↓
label

DWORD?

This is an uninitialized variable & its value will be assigned at runtime.