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程式執行流程、記憶體暫存器狀態、截圖說明、 程式碼說明厂 :

圖一:

al: The last two digits of the group leader's ID are 0 and 1

組長學號末兩碼為01

圖二:

ah: Convert the last two digits of the group member's ID from 14 to 0e in hexadecimal

組員學號末兩碼為14變成十六進位0e

圖三:

ax: Convert the last four digits of the group leader's ID from 4501h to 4501

組長學號末四碼為4501h變成4501

圖四: dx shows eeea

dx顯示eeea

圖五: Subtract ax from dx we have a9e9

顯示dx-ax為a9e9

al	0x01 '\x1'	unsigned char

al	0x01 '\x1'	unsigned char
ah	0x0e '\xe'	unsigned char

al	0x01 '\x1'	unsigned char
ah	0x45 'E'	unsigned char
ax	0x4501	unsigned short

al	0x01 '\x1'	unsigned char
ah	0x45 'E'	unsigned char
ax	0x4501	unsigned short
dx	0xeeea	unsigned short

al	0x01 '\x1'	unsigned char
ah	0x45 'E'	unsigned char
ax	0x4501	unsigned short
dx	0xa9e9	unsigned short

心得:

In today's lab, we put the theory of assembly language and the application of data representation into actual work. It help us understand more about what the following course will be like. Thanks all the TAs for assisting us in the lab.

這次的實驗課結合了第一堂和第二堂的組合語言語法和不同進位制之間轉換的應用，並且實際打出組合語言之程式，感謝助教課堂上的協助。