ACTIVITY 7

SYMBOLIC CONSTANTS

1. .data
    thisThing BYTE 0ABh, 99h
    thatThing = 12h
    someThing BYTE 34h

    How many bytes of memory are required to store the above data? _____

    How will this data be stored in memory as a sequence of bytes? Write the byte values in *hexadecimal*, starting from the byte at the lowest memory address.

    _____

2. .data

num1 = 1331h	○ Valid	○ Invalid	_____
num2 = –365	○ Valid	○ Invalid	_____
num3 = 355 * 467	○ Valid	○ Invalid	_____
num4 = num3 + 1	○ Valid	○ Invalid	_____
num5 = eax + 1	○ Valid	○ Invalid	_____
operands = eax, 1	○ Valid	○ Invalid	_____
empty =	○ Valid	○ Invalid	_____
currLocCtr = $	○ Valid	○ Invalid	_____

3. .data
    aString BYTE "OK", 0Dh, 0Ah, 0
    len DWORD ($ – aString)   What value is stored in len? _____

4. .data
    nums SWORD 1, 2, 3
    len DWORD ($ – nums)   What value is stored in len? _____

5. .data
    aString BYTE "Hello", 0
    twoWords WORD 1, 2
    len1 DWORD ($ – twoWords)   What value is stored in len1? _____
    len2 DWORD ($ – twoWords)   What value is stored in len2? _____