ACTIVITY 6

DATA DEFINITION STATEMENTS

1.	Write a data definition statement for an array of 16-bit signed integers containing the values -2, -1, 0, 1, and 32000.
2.	Write a data definition statement for an array of one hundred 64-bit integers, all initially containing the value 5.
3.	Write a data definition statement for a 32-bit unsigned integer whose initial value is undefined.
4.	Storing 262,144 integers that are 32 bits each requires 1 megabyte (1,048,576 bytes) of memory. How can you allocate space for this many integers in your program's data segment without adding a megabyte of size to your .exe file?
5.	.data BYTE 254, 255 SBYTE -2, -1 DWORD 12345678h WORD 9ABCh
	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 <i>hexadecimal</i> , starting from the byte at the lowest memory address.
6.	.data BYTE 10, 11, 'A' SWORD -1 DWORD 40000 SWORD -437
	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 <i>hexadecimal</i> , starting from the byte at the lowest memory address.