Discussion CH3

(Yes/No): Is A5h a valid hexadecimal constant?(3.1.10 p2)
No, because any hexadecimal number must begin with a decimal digit.

(True/False): An identifier cannot begin with a numeric digit?(3.1.10 p9)
True

(True/False): Assembly language identifiers are (by default) case-insensitive?(3.1.10 p10)
True.

Name the four basic parts of an assembly language instruction?(3.1.10 p13)
Label, mnemonic, operands, comment.

(True/False): MOV is an example of an instruction mnemonic?(3.1.10 p14)
True.

(True/False): A code label is followed by a colon (:), but a data label does not have a colon ?(3.1.10 p15)
True

In the AddSub program , what does the .CODE directive identify?(3.2.5 p2)
The .code directive marks the beginning of the code segment, where all executable statements in a program are located.

What types of files are produced by the assembler?(3.3.2 p1)
Object (.OBJ) and listing (.LST) files.
What types of files are produced by the linker? (3.3.2 p5)
Executable (.EXE) and map (.MAP).

Create an uninitialized data declaration for a 16-bit signed integer? (3.4.12 p1)
var1 SWORD ?.

Declare an unsigned 16-bit integer variable named wArray that uses three initializers? (3.4.12 p7)
wArray WORD 10,20,30.

Declare a string variable containing the name of your favorite color. Initialize it as a null terminated string? (3.4.12 p8)
Color str "White",0.

Declare an uninitialized array of 50 unsigned double words named dArray? (3.4.12 p9)
dArray DWORD 50 DUP(?).

Declare a string variable containing the word "TEST" repeated 500 times? (3.4.12 p10)
Str Dword 500 DUP("This a TEST").

Declare an array of 20 unsigned bytes named bArray and initialize all elements to zero? (3.4.12 p11)
bArray BYTE 20 DUP(0).

Declare a symbolic constant using the equal-sign directive that contains the ASCII code (08h) for the Backspace key. (3.5.5 p1)
BACKSPACE = 08h