Chapter 3: Assembly Introduction

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Section 3.5.5

5. Use a TEXTEQU expression to redefine "proc" as "procedure."

```
procedure TEXTEQU <proc>
```

3.9.1

16. Show an example of a block comment.

```
COMMENT !
this
is
a
block
comment
!
```

3.9.2

4. Find out if you can declare a variable of type DWORD and assign it a negative value. What does this tell you about the assembler's type checking?

DWORD is an unsigned variable, however you can assign it a negative value. It will not store it as a negative value though, instead it will store it as

$2^{32} - x$ where x is the absolute value of the negative number it was assigned.

6. Given the number 456789ABh, list out its byte values in little-endian order.

the order would be: 0000:AB, 0001:89, 0002:67, 0003:45

12. Declare an uninitialized array of 50 signed double-words named dArray.

```
dArray DWORD 50 DUP(?)
```

3.10

3. Data Definitions: Write a program that contains a definition of each data type listed in Table 3-2 in Section 3.4. Initialize each variable to a value that is consistent with its data type.