

Chapter 3 (Assembly Language Fundamentals) –Assessment

To view the answers in Word 2010, select *File* | *Options* | *Display*, and select the *Hidden Text* checkbox.

True-False

Please indicate whether each statement is True (T) or False (F).

1. A string literal must be enclosed in double quotes.
2. An identifier in assembly language may only contain letters and digits.
3. Identifiers are by default, case sensitive.
4. The PROC directive marks both the beginning and ending of a procedure.
5. A code name must end with a colon (:).
6. The SDWORD directive is used when defining signed 32-bit integers.
7. The .DATA directive must always occur before the .CODE directive.
8. In the following statement, EAX is called the *source* operand:

```
mov EBX, EAX
```
9. If the source code for an assembly language program is modified, you must run both the assembler and linker to update the program's executable code.
10. An object file is commonly read as input by the linker.
11. A listing file contains a copy of the program's source code, with line numbers, the numeric address of each instruction, and a symbol table. Optionally, it may display the machine code bytes for the program.
12. The listing file is generated by the linker.
13. The following is a valid data definition statement:

```
varX WORD 100h, 65536
```
14. The following is a valid data definition statement:

```
helloStr SWORD -32768
```
15. The EQU directive permits a constant to be redefined at any point in a program.