

CS 271 Computer Architecture and Assembly Language
Self-Check for Lecture #4
Solutions are posted

1. True / False:

- a. _____ A MASM program must have a procedure named “main”.
- b. _____ **END main** is a directive that tells the operating system where to begin execution of the program.

2. What’s wrong with the following data segment?

```
.data
x_value    DWORD    5
7Eleven    BYTE     "My job",0
X_VALUE    DWORD    500
Age ;user's age;    DWORD    ?
```

3. The following data segment starts at memory address 1400. What is the address of each variable?

```
.data
myName     BYTE     "Elmer Fudd",0
yourName   BYTE     30 DUP(0)
myAge      DWORD    45
yourAge    DWORD    ?
myScore    DWORD    ?
yourScore  DWORD    ?
```