CS 271Computer Architecture and Assembly Language

Self-Check for Lecture#6

Solutions are posted

1. What is the purpose of a <u>breakpoint</u> during a program debugging session?

2. Which function key is used to execute a library procedure, without going into the details of the procedure?

    F _____

3. When execution is paused at a breakpoint, which function key is used to continue execution to the next breakpoint (or to the end of the program if no more breakpoints exist)?

    F _____

4. The MASM assembler is used for locating _____ errors, but the debugging system is used for locating _____ errors.

5. Convert decimal **2345**

    a. binary   _____

    b. hexadecimal   _____

6. Convert decimal **–2345**

    a. 16-bit binary   _____

    b. 4-digit hexadecimal   _____

7. Convert **0x1CE9**

    a. binary   _____

    b. decimal   _____

8. Convert <u>signed</u> integer **0xACE9**

    a. binary   _____

    b. decimal   _____

9. Convert <u>unsigned</u> integer **0xACE9**

    a. binary   _____

    b. decimal   _____

10. Use an ASCII character table and the following MASM data segment declaration:

```
.data
course   BYTE        "MASM 271",0
```

What values would be stored in the memory bytes starting at course? Show your answers in hexadecimal.

_____ _____ _____ _____ _____ _____ _____ _____ _____