

CS 271 Computer Architecture and Assembly Language
Self-Check for Lecture #9
Solutions are posted

1. Convert decimal **2345**
 - a. binary _____
 - b. hexadecimal _____

2. Convert decimal **-2345**
 - a. 16-bit binary _____
 - b. 4-digit hexadecimal _____

3. Convert **0x1CE9**
 - a. binary _____
 - b. decimal _____

4. Convert signed integer **0xACE9**
 - a. binary _____
 - b. decimal _____

5. Convert unsigned integer **0xACE9**
 - a. binary _____
 - b. decimal _____

6. 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.
