

EE3450 Hw2 - Question 1 (2.5 & 2.6)

總分 6/6 ?

Chapter 2 : Instructions: Language of the Computer

0分, 共0分

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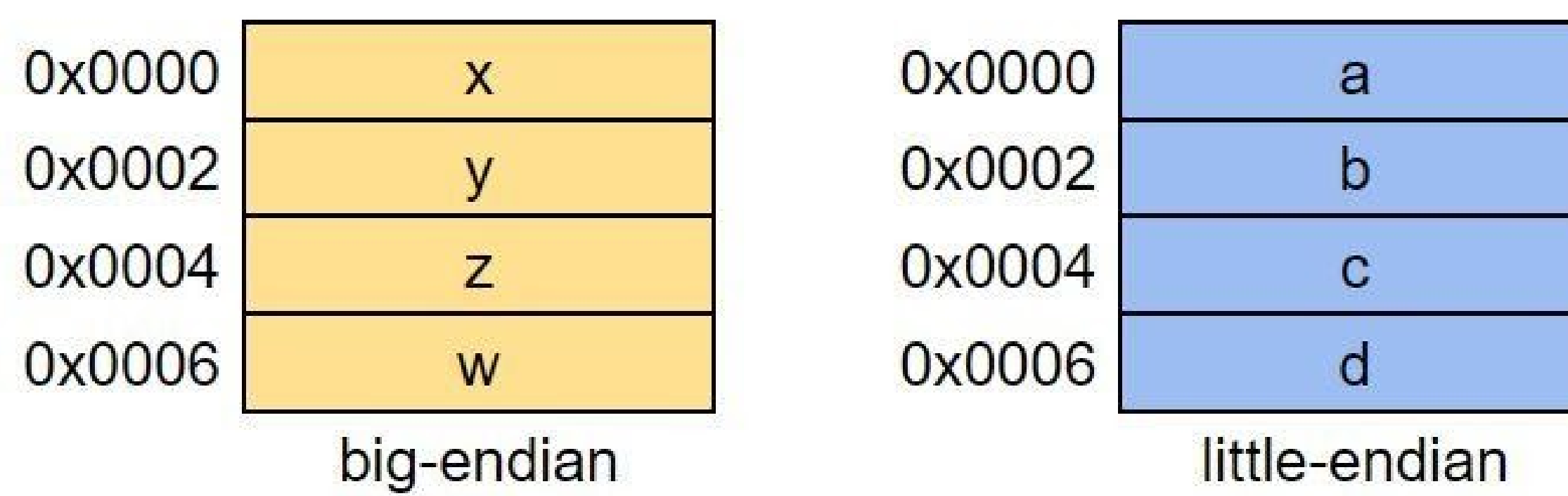
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Question 1 (2.5 & 2.6)

6分, 共6分

[2.4] means you should have read Section 2.4. Under the Covers, to help you solve this exercise

[2.3] Show how the value "0xabcdef12" would be arranged in memory of a little-endian and a big-endian machine. Assume the data are stored starting at address 0 and that the word size is 4 bytes.



✓ 1. What is the corresponding value of (a,b,c,d)? * 2/2

- (21, fe, dc, ba)
- (12, ef, cd, ab) ✓
- (ab, cd, ef, 12)
- (ba, dc, fe, 21)

✓ 2. What is the corresponding value of (x,y,z,w)? * 2/2

- (21, fe, dc, ba)
- (12, ef, cd, ab)
- (ab, cd, ef, 12) ✓
- (ba, dc, fe, 21)

✓ 3. Translate "0xabcdef12" into decimal * 2/2

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