CS5250 Advanced Operating Systems

Pop Quiz 1
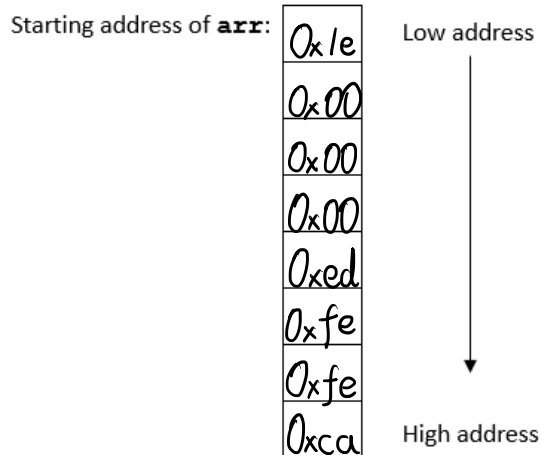
Name: _____Ding Fan_____

Student Number: __A0248373X_____

Assuming integers are 4 bytes, show how memory is will be laid out for the following scenarios by filling in the content of memory (each box holds a byte):

int arr[2] = { 0x1e, 0xcafefeed};

Little Endian

Starting address of **arr**:

0x1e	Low address
0x00	
0x00	
0x00	
0xed	
0xfe	
0xfe	
0xca	High address

Big Endian

Starting address of **arr**:

0x00	Low address
0x00	
0x00	
0x1e	
0xca	
0xfe	
0xfe	
0xed	High address