Christian Clark

CIS 123

Ch 4 Review

1. A) FFFF8002 B) 00004321
2. 10020000
3. 3002FFFF
4. 10020001
5. 0
6. FFFFFFFF
7. It does not help because, while it is intended to be a signed byte, the AL register is not signed and can hold up to 256 so adding 130 to the AL register will in theory overflow, it does not in practice. Overflow also never happens when two integers of differing signs are added together.
8. 0000000044445555
9. Gives a build error but should have 0000000084326732
10. 00035678
11. 12341237
12. No
13. Yes
14. Yes
15. No
16. A) no b) yes c) no d) no e) no f) no g) no h) no
17. A) FC B) 01
18. A) 1000 b) 3000 c) FFF0 d) 4000
19. A) 00000001 b) 00001000 c) 00000002 d) FFFFFFFC