Ejercicios AB

Los ejercicios se entregaran en papel, y deberán mostrar el desarrollo correspondiente.

1. What is the decimal representation of each of the following unsigned binary integers?
2. 11111000
3. 11001010
4. 11110000
5. What is the sum of each of each pair of binary integers?
6. 00001111 + 00000010
7. 11010101 + 01101011
8. 00001111 + 00001111
9. How many bits and bytes are contained in each of the following data types?
10. word
11. doubleword
12. quadword
13. What is the minimum number of binary bits needed to represent each of the following unsigned decimal integers?
14. 65
15. 256
16. 32768
17. What is the hexadecimal representation of each of the following binary numbers?
18. 0011 0101 1101 1010
19. 1100 1110 1010 0011
20. 1111 1110 1101 1011
21. What is the binary representation of the following hexadecimal numbers?
22. E5B6AED7
23. B697C7A1
24. 234B6D92
25. What is the unsigned decimal representation of each hexadecimal integer?
26. 3A
27. 1BF
28. 4096
29. Translate the following C++ expression to assembly language, using the example presented earlier in this chapter as a guide: X = (Y + 4) \* 3.
30. Read and understand the first chapter, “Best Friends”, from the book “Code”.