1. Explain the term least significant bit (LSB). Least significant bit is position 0, having the value of 2 to the zero power
2. What is the decimal representation of each of the following unsigned binary integers?
   1. 11111000 = 248
   2. 11001010 = 202
   3. 11110000 = 240
3. What is the sum of each pair of binary integers?
   1. 00001111 + 00000010 = 00010001
   2. 11010101 + 01101011 = 101000000
   3. 00001111 + 00001111 = 00011110
4. How many bytes are contained in each of the following data types?
   1. Word = 2
   2. Doubleword = 4
   3. Quadword = 8
   4. double quadword = 16
5. What is the minimum number of binary bits needed to represent each of the following unsigned decimal integers?
   1. 65 = 7 bits
   2. 409 = 9
   3. 16385 = 15
6. What is the hexadecimal representation of each of the following binary numbers?
   1. 0011 0101 1101 1010 = 35DA
   2. 1100 1110 1010 0011 = CEA3
   3. 1111 1110 1101 1011 = FEDB
7. What is the binary representation of the following hexadecimal numbers?
   1. 4693FBC = 1010 0100 0110 1001 0011 1111 1011 1100
   2. 697C7A1 = 1011 0110 1001 0111 1100 0111 1010 0001
   3. 2B3D9461 = 0010 1011 0011 1101 1001 0100 0110 0001