

Homework 1 (Chapter 1)

Being comfortable with various numbering systems (especially Hexidecimal and Binary) is so important when using Assembly Language, this assignment focuses on using and converting the various numbering systems. Please submit your completed assignment through the appropriate link in our Moodle course. You will submit a separate file with your answers (you will need to convert it to a PDF file for consistent formatting)

I have attached a Chapter 1 Activity Sheet - please complete the following items (please note that for some sections, you do not have to complete all the items!).

1. Convert the following numbers from base 10 to base 2.
 - a. Complete items A, C, E,
2. Convert the following numbers from base 10 to base 16.
 - a. Complete items B, D, F,
3. Convert the following numbers from base 16 to base 2.
 - a. Complete items A, C, E,
4. Convert the following numbers from base 2 to base 10.
 - a. Complete items B, D, F,
5. Convert the following numbers from base 2 to base 16.
 - a. Complete items B, D, F,
6. Determine the result for the following operations (the numbers are base 2).
 - a. Complete items A, C, E,
7. Determine the result for the following operations (the numbers are base 16).
 - a. Complete items A, C, E
8. Determine the result for the following operations (the numbers are base 2).
 - a. Complete items B, D, F, H
9. Determine the result for the following operations (the numbers are base 2).
 - a. Complete All Items
10. Complete the following table.
 - a. Complete All Items
11. Complete the following table.
 - a. Complete All Items