

CSULB
CECS225

Lab1

Either type your lab in a word document and upload as a **pdf**

Or **write neatly**, scan the file and upload as a **pdf**.

Show your work, no work no credit even if the answer is correct

When you are done, **click on quizzes and convert your answers to the quiz.**

Make sure to follow the instructions on how to enter the answer (for grading purposes)

- 1- Find the decimal values of the following numbers using the digit position and the base of the system.
 - a. 365_{10}
 - b. 11_2
 - c. 11_7
 - d. 1001_2
 - e. 1010101_2
 - f. 21_3
 - g. 122_3
- 2- Convert the following unsigned binary numbers to decimal, Hexadecimal, and Octal. Show your work.
 - a. 1110_2
 - b. 100100_2
 - c. 11010111_2
 - d. 011101010100100_2
- 3- Convert the following hexadecimal numbers to decimal, to unsigned Binary Show your work.
 - a. $4E_{16}$
 - b. $7C_{16}$
 - c. $ED3A_{16}$
 - d. $403FB001_{16}$
- 4- How many different numbers can be represented with 23 bits?