Overview
This assignment is a response to the "Computer Science Magic" lecture, where you will practice converting some numbers and answering a few questions. For this assignment you will turn in one item [your problem solutions] to the CS portal:
https://www.cs.uky.edu/csportal

Details
Answer the following questions, and show your work.
1. Convert the following decimal numbers to binary:
   - 63
   - 42
   - 1001 (decimal)
   - 255
   - 118902
2. Convert the following binary numbers to decimal:
   - 1111001
   - 101110
   - 110011011001
3. Answer the following questions:
   - What is the ASCII value for the capital letter 'B'?
   - If I wanted to write the Greek uppercase letters of my sorority (Alpha Chi Omega) in Unicode, what would I write?
   - Assume the following sequence (in decimal) is ASCII and that each value is shifted DOWN by some integer amount (same amount for all values). Decode the message:
     80 94 25 58 107 94 25 80 98 101 93 92 90 109 108 26

Turning in your Work
No matter how you decide to write up your answers (by hand with pen and paper, word document, etc) please create a pdf file representing your “camera-ready” results. Please submit this (and only this) as your submission for this assignment. Upload your single pdf file via the CS portal for this class (link on the class website) before midnight on the due date.