

## Digital Logic

### Project Bonus (100 pts)

1. Please write a program to generate the hamming code of the 8 bit digital code. (30 pts)
2. Please write a program to check whether the given hamming code (12bit) is correct or not. If not, the program should be able to correct it.(70 pts)

**Note: You may discuss the general concepts in this project with other students, but you must finish your program on your own. NO SHARING OF CODE OR REPORT IS ALLOWED. Violation of this policy can result in grade penalty.**

### What to submit

Please submit your code in a zip file. You can choose whatever language you like, such as C, C++, python, MATLAB, etc.