

ENR145 Prelabs #3

Task 1 Due: 2nd class in week 3 (aka Wednesday afternoon or Thursday morning)

To hamming, we need to figure out the way to play with 11-16 bits of 1 and 0 in Python.

Can you figure out the following in Google Colab?

1.1 Generate random 11 bits of 1 and 0s.

1.2 Perform parity check of those bits by

- modulo 2
- XOR

Figure out how to do it both ways.

1.3 How to make, and show a 4x4 matrix in Python

Task 2 Due 1st class in week 4 (Monday afternoon or Tuesday morning)

The goal is to finish the second chapter of Karel (From Art of Problem Solving to Midpoint Karel) in Stanford Code in Place:

<https://codeinplace.stanford.edu/public/studenthome#welcome>



Do you enjoy Karel? Are you having trouble working out the coding puzzles in Karel? Let me know!