1. Coursera Dan Boneh Week 1 Program Assignment
2. PA1 "crack" ciphertexts generated using a Vigenere-like cipher
3. PA2 decrypt a challenge cipher text generated using AES in CBC-mode with PKCS #5 padding.
4. http://www.cryptopals.com/sets/1
    (1) Convert hex to base64
    (2) Fixed XOR
    (3) Single-byte XOR cipher
    (4) Detect single-character XOR
    (5) Implement repeating-key XOR
    (6) Break repeating-key XOR
5. http://www.cryptopals.com/sets/2

9 (1) Implement PKCS#7 padding

10 (2) Implement CBC mode

11 (3) An ECB/CBC detection oracle

12 (4) Byte-at-a-time ECB decryption (Simple)

13 (5) ECB cut-and-paste

14 (6) Byte-at-a-time ECB decryption (Harder)

15 (7) PKCS#7 padding validation

16 (8) CBC bit flipping attacks