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EECS 765: Homework 1

Decrypt the Following Encrypted Quotations

1. fqjcb rwjwj vnjax bnkhj whxcq nawjv nfxdu mbvnu ujbbf nnc

   Approach: Python scripting, and general wordplay.
   After quickly throwing together a simple Caesar cipher enumeration tool the plaintext string was clear. The script eats standard input either from a file or the keyboard and displays all twenty-six possible plaintexts.

   Solution:

Key:	9 (j)
Tokenized:	whats inana mearo sebya nyoth ernam ewoul dsmel lassw eet
Script Output:	whatsinanamearosebyanyothernamewouldsmellassweet
Formatted:	whats in a name arose by any other name would smell as sweet

2. oczmz vmzor jocdi bnojv dhvod igdaz admno ojbzo rcvot jprvi oviyv aozmo cvooj ziejt dojig toczr dnzno jahvi fdiyv xcdzq zoczn zxjiy

   Approach: Python scripting, and general wordplay.
   This problem was solved with the same implementation as listed above.

   Solution:

Key	21 (v)
Tokenized:	there aretw othin gstoa imati nlife first toget whaty ouwan tanda ftert hatto
Script Output:	therearetwothingstoaimatinlifefirsttogetwhatyouwantandafterthatto
Formatted:	there are two things to aim at in life first to get what you want and after that to

3. pbegu uymiq icuuf guuyi qguuy qcuiv fiqgu uyqcu qbeme vp

   Approach: Python scripting, and general wordplay.
   This problem was not as simple as the first two, the traditional Caesar cipher rendered no useful results. Several methods were toyed with including attempts to match key letters to some common key (namely the 'u' as it was most common). I noticed the string 'guuy' appeared four times within the cipher text leading me to crunch possibilities with regular expressions and the dictionary provided for the first mini-project. After moderate toilage, expressing the Caesar cipher in reverse provided noteworthy results.

   Solution:

Key	17 (i)
Tokenized:	theco okwas agood cooka scook sgoan dasco oksgo shewe nt
Script Output:	thecookwasagoodcookascooksgoandascooksgoshewent
Formatted:	the cook was a good cook as cooks go and as cooks go she went

   Remarks: The aforementioned python script and an input file should be provided as a part of the handin. Input was fed to the script with the '<' bash operator.