**Part 1**

The program takes a specified text file, and with that file, creates a flat map for each line of the text file. It then maps all of the characters of the lines and reduces by key to integrate the frequency count of the characters. It then sorts the list in order.

**Part 2**

The program converts all the letters in the text file into lowercase letters before decoding. It ignores all special characters and gives the values of the most frequent letter, the letter it uses to replace the most frequent letter of the text file with, the number of shits, and the actual decoded message.

**Part 3**

Encrypted-1:

http://www.fullbooks.com/The-New-Hacker-s-Dictionary-version-4-214.html

Encrypted-2: https://books.google.com/books?id=7x9yw5DQIOUC&pg=PA92&lpg=PA92&dq=times+of+peace,+are+of+every-day+occurrence+between+contending+armies&source=bl&ots=DkxSINdPlO&sig=ACfU3U2CWQf9gBcVwRpBMFrSjgq3QEDIHg&hl=en&sa=X&ved=2ahUKEwiFkbK53-7nAhXySt8KHSXZBa4Q6AEwAHoECAQQAQ#v=onepage&q=times%20of%20peace%2C%20are%20of%20every-day%20occurrence%20between%20contending%20armies&f=false

Encrypted-3:

https://transcripts.fandom.com/wiki/The\_Great\_Gatsby