Python version: 3.6.5

**Instructions:**

Firstly, press either [e] to encrypt a new message, [d] to decrypt an existing message, or [q] to quit the program – and then press enter to continue.

Encrypting:

1. Press either [k] to enter a 32-byte long passphrase, [r] to generate a random key, or [q] to quit to the menu – and then press enter to continue.
   * Manual Entry [k]:
     + Type your passphrase and then press enter
     + If your key is not 32-bytes in length, type a key of the correct length and then press enter
     + Select [y] to view your key or [n] to continue, then press enter
     + If you choose to continue, you will be asked once more if you are sure you want to continue without saving your key. To view the key, answer [n] and press enter
   * Random key [r]:
     + After the key has been generated, select [y] to view it, or [n] to continue, and then press enter
     + If you choose to continue, you will be asked once more if you are sure you want to continue without saving your key. To view the key, answer [n] and press enter
2. Enter the message you wish to encrypt and then press enter
3. Press either [v] to view the message, [e] to enter a new message, or any key to continue
   * Viewing [v]:
     + After the message is displayed, press either [e] to enter a new message, or any key to continue
     + If [e] is selected, enter the message you wish to encrypt, then press enter
   * New message [e]:
     + Enter the message you wish to encrypt and then press enter
4. Wait whilst the message is being encrypted
5. Enter the desired filename for the encrypted message and then press enter
6. Press either [e] to enter a new filename, or any key to continue
   * New filename [e]:
     + Enter the new filename you wish to use, then press enter
     + You may press [e] again to enter a different filename, or any key to continue
7. Your encrypted message has now been saved to file

Decrypting:

1. Enter the filename for the text file you wish to decrypt, and then press enter
   * If the filename does not exist, the program will prompt you for a different file
   * If the file does not contain hexadecimal data, the program will prompt you for a different file
2. Enter the key that was used to encrypt the file, then press enter
   * If the incorrect key was entered, the program will prompt you until you enter the correct key
3. The decrypted message will be now be displayed for you