Instruction Guide

Prerequisites

Before running the program, ensure you have the following:

- **Python 3 Installed:** python –version 3.11.9
- **Required Libraries:**
    - Import os and random

Launching the Program

Use the cd command to change directories to where main.py is located.

- cd path/to/your/folder

In my case:

PS C:\Users\cdcon\Downloads\253 Project

Running the Program

python3 main.py

Menu:

1. Encrypt a file
2. Decrypt a file
3. Exit

Encrypting a File

1. **Click 1 and press Enter**
2. **Enter the Input file name**
    a. In my case: input1.txt
3. **Enter the Output file Name**
    a. In my case: output1.txt
4. **If successful:**
    a. ENCRYPTION SUCCESSFUL, ouptut1.txt created
    NEW MESSAGE: [Random Lakers Quote]

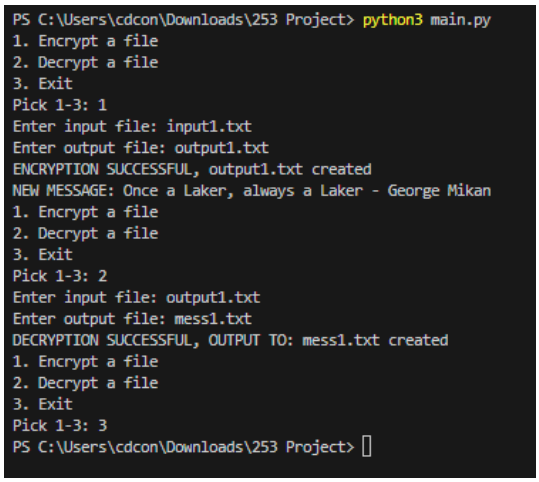
Decrypting a File

1. **Click 2 and press Enter**
2. **Enter the Encrypted File Name**
    a. In my case: output1.txt
3. **Enter the Output File Name**
    a. In my case: mess1.txt
4. **If successful:**
    a. DECRYPTION SUCCESSFUL, OUTPUT TO: mess1.txt created
5. **If not successful:**
    a. Decryption FAILED

C. Exiting the Program

1. **Select Exit:**
    a. To quit the program, simply click 3 and press Enter.

SAMPLE OUTPUT DOWN BELOW



input1.txt

```
Alphabet: ABCDEFGHIJKLMNOPQRSTUVWXYZ
Lowercase: abcdefghijklmnopqrstuvwxyz
Digits: 0123456789
Mixed: A1B2C3D4E5F6G7H8I9J0
Complex Identifier: var_Alpha123, betaDelta456, Gamma789Delta
Symbols: !@#$%^&*()_+-=[]{}|;:',.<>/?`~"
Quotes: "Double quotes" and 'Single quotes'
Escape Sequences: \n (newline), \t (tab), \r (carriage return)
Miscellaneous: ®, °, ™, €


```

output1.txt

```
Once a Laker, always a Laker - George Mikan
###ENCRYPTED###
xljdjtnO#<CLDONHKPOSXRFQNSMaV[X]W\ZFbmvgltmzq$<ckighokfjtrsfAumnAzywx}zP
|2$<{wkkk:49785:?F=5G(=cozq5D6H5K=HO:H8M;M:F:qLonxf#zocQBAlmhqwfz"GlAgrf3okdvod(/561P<dvf:7U#.C=:?duqgthVivu@uqc)&+G#$<{)`e-*25.__?04*<?~@~@@bL2
$swYwL$$<{hvcws(hnqyAmwV)$cvd"&fq(hnkysmwqrii(H+A(hxsoafmvllof0#f`"Buy+ofq(/"x^^(/+cg|+"vvgk+ptooo1qtyvmA"Qlkvknflvd#."Bvws.¶(/Z$$#00
```

mess1.txt

```
Alphabet: ABCDEFGHIJKLMNOPQRSTUVWXYZ
Lowercase: abcdefghijklmnopqrstuvwxyz
Digits: 0123456789
Mixed: A1B2C3D4E5F6G7H8I9J0
Complex Identifier: var_Alpha123, betaDelta456, Gamma789Delta
Symbols: !@#$%^&*()_+-=[]{}|;:',.<>/?`~"
Quotes: "Double quotes" and 'Single quotes'
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```