

User Guide

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How to set up and use Cogger

Introduction

Cogger is a substitution cipher written in python 3 and has Been released under the MIT license. This works by allowing you To define a custom amount of set of Ids (wheel Keys).

Here is an example of how 2 a 2 wheel keyed cogger would work:

Key:1-0-2-3+3-2-1-0 Character set: ASDF Message: ASDFA

			Character Set: A-S-D-F+A-S-D-F
A	1 S	2 D	1-0-2-3+3-2-1-0
S	1 S	2 D	2-1-3-0+3-2-1-0
D	0 A	3 F	3-2-0-1+3-2-1-0
F	2 D	1 S	0-3-1-2+3-2-1-0
A	1 e	3	1-0-2-3+0-3-2-1

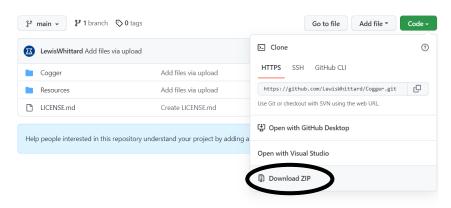
Your final encrypted message DDFSF:

In order to run Cogger you will need to install Python this has been tested with Python 3.11.0 and can be downloaded here: https://www.python.org/

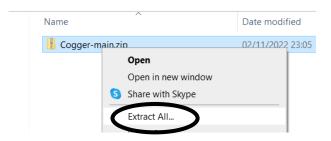
Cogger can be downloaded from the following Github repository: https://github.com/LewisWhittard/Cogger

Set Up

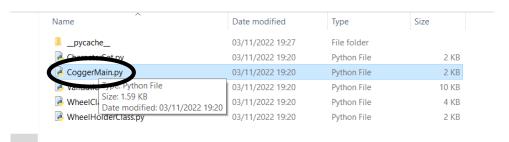
- 1.You need to download python from: https://www.python.org/
- 2. Then you need to download the repsitory from: https://github.com/LewisWhittard/Cogger



3.Then extract the cogger-main zip file.



4. And open the file "Cogger/Coggermain.py".



Encrypt

1.Enter 0 to genarate a Key:

Cogger • © Lewis Whittard 2022 • MIT License • Version: 1.0.0 0: Genarate a key

1: Encrypt

2: Decrypt

3: Quit

Please enter a Number:0

2.Then specify how many wheels you want:

How many wheels:3

3. Notice you have generated your key:

99.2 75. 29.9 -96.13 -96.13 -96.13 -96.12 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -96.13 -

4. Enter 1 to encrypt:

Please enter a Number:1

4 Then paste your key:

5 Then input your unencrypted message:

What is your message:The quick brown fox jumps over the lazy dog.

6 Then notice Cogger outputs an encrypted message and take a copy of it:

>1(^>xMYec u+_~Z;J:%*hUgCr:id]5hGUu).%JQP[tR

Decrypt

1. Press 2 to decrypt:

Please enter a Number:2

2 Then paste your key:

shaft is, your key; 39 - 2, 75-29 9 - 56-13: 59-19: 34-26: 12-28: 38: 32-37: 10-55: 53-17-91: 49-43: 59-3: 86-62: 65-81: 54-64: 52-35: 11-78-24: 69: 51-67: 36: 11-85: 50-72: 20-72: 31: 82-77-88: 94: 57-63: 1-68: 93-16: 68: 93-68: 96-74: 48: 90-74: 33: 15-73: 58: 44: 23: 46: 83: 56-68: 95-60-72: 27-46: 71-79: 98-88-42-40: 13-53: 58-41: 68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68: 25: 14-68:

3 And input your encrypted message:

What is your message:>1(^>xMYec u+_~Z;J:%*hUgCr:id]5hGUu).%JQP[tR

4 Notice Cogger outputs an unencrypted message:

The quick brown fox jumps over the lazy dog.

Licenses

Cogger License

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