"Cipher Text Converter"

OBJECTIVE:

This Cipher Text Converter is created by the help of Python and tkinter. The design of the app is amazing. The features of the Cipher Text Converter are that when you open the application then it shows two box one for encryption and another for decryption. user have to write text of the encryption box and key as well then click on encrypt and the same thing follow for the decryption.

TECH STACK USED:

Python

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically-typed and garbage-collected. It supports multiple programming paradigms, including structured, object-oriented and functional programming

PROJECT DESCRIPTION:

In this project, we have the following structure

- An encryption box
- A decryption box
- An encryption button
- A decryption button
- A shifter key box
- A box for selection of algorithm

Encryption

- The Cipher Text Converter Convert the normal text to cipher text using different algorithm.
- First user has to write the normal text into the encryption box
- Select the algorithm
- Select the shifter key for rot13 by default it is 13
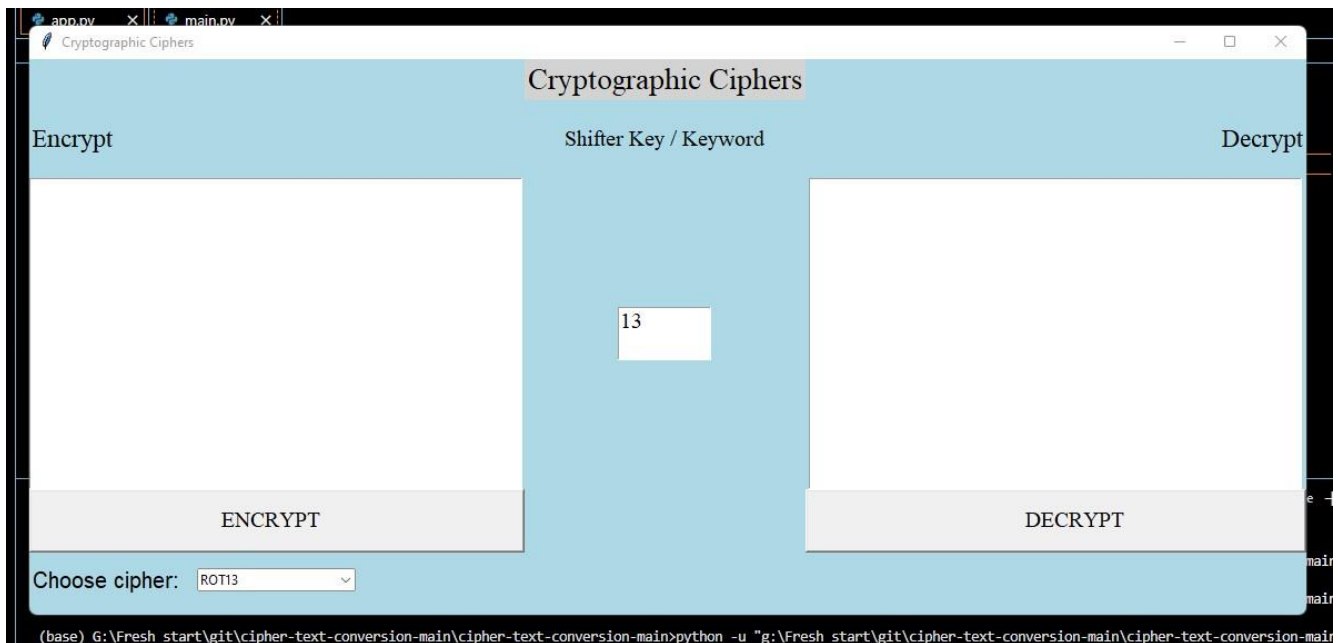- Click on encrypt
- Encryption text show in decrypt box

Decryption

- User has write the cipher text into Decryption box
- Select key and algorithm
- Click on the decrypt button
- Normal text show in encryption box

PROJECT GITHUB LINK:

https://github.com/Dhananjay17728/cipher-text-conversion

Screenshot

```python
# imports
import main as mn
import tkinter
from string import ascii_letters

# cipher_combo_box
cipher_combo_box = mn.ttk.Combobox(values = [
    "caesar cipher",
    "ROT13"
])
cipher_combo_box.grid(row = 4, column = 0, padx = 35)
cipher_combo_box.current(1)

def get_cipher_combo_box_value():
    cipher_value = cipher_combo_box.get()
    return cipher_value

the_cipher_value = get_cipher_combo_box_value()
def move_text_to_decrypt_box():
    # check which cipher was selected
    """
    if combox value == cipher A:
        do function
    elif combox value == cipher B:
        do function
    """
    if (the_cipher_value == "caesar cipher"):
        empty_message = "Error! The encryption box or shifter key box is empty\n"
        moving_text = encryption_box.get("1.0", mn.tkinter.END)
        shifter_key_number = shifter_key_box.get("1.0", mn.tkinter.END)
        # check if there is a empty error message
        if empty_message in moving_text:
```