Lab 01 Template

Answer the first three questions in a pdf file and upload it to Canvas. Questions 4 -6 remind you to upload your python code.
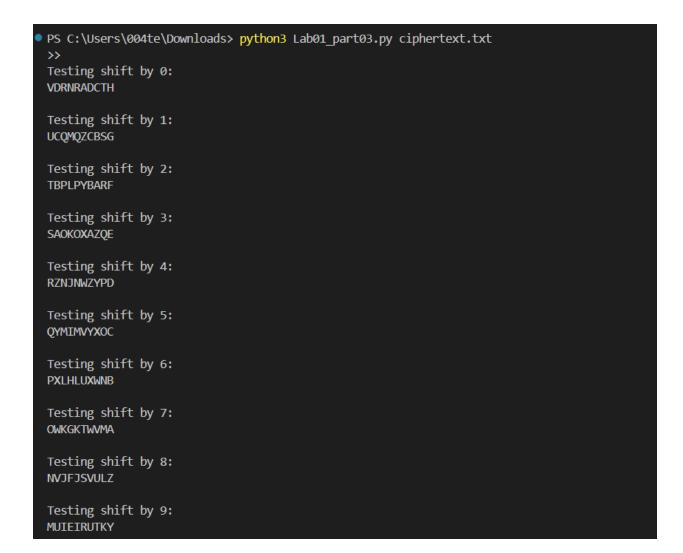
1.) For Part 01, what's the name of a Shift by N cipher with a key of 3? (10 points)

Ans: Caesar shift is the shift by N cipher with a key of 3.

2.) Document (output copy and paste/screenshot into pdf file) each potential solution you arrived at for Part 03. For each attempt of the key you will include the N used in the shift and the plaintext output from the N. Did you shift the key LEFT and the resulting characters RIGHT?

(15 points)

Ans:

```
PS C:\Users\004te\Downloads> python3 Lab01_part03.py ciphertext.txt
>>
Testing shift by 0:
VDRNRADCTH

Testing shift by 1:
UCQMQZCBSG

Testing shift by 2:
TBPLPYBARF

Testing shift by 3:
SAOKOXAZQE

Testing shift by 4:
RZNJNWZYPD

Testing shift by 5:
QYMIMVYXOC

Testing shift by 6:
PXLHLUXWNB

Testing shift by 7:
OWKGKTWVMA

Testing shift by 8:
NVJFJSVULZ

Testing shift by 9:
MUIEIRUTKY
```

```
Testing shift by 10:
LTHDHQTSJX

Testing shift by 11:
KSGCGPSRIW

Testing shift by 12:
JRFBFORQHV

Testing shift by 13:
IQEAENQPGU

Testing shift by 14:
HPDZDMPOFT

Testing shift by 15:
GOCYCLONES

Testing shift by 16:
FNBXBKNMDR

Testing shift by 17:
EMAWAJMLCQ

Testing shift by 18:
DLZVZILKBP

Testing shift by 19:
CKYUYHKJAO

Testing shift by 20:
BJXTXGJIZN
```

```
Testing shift by 21:
AIWSWFIHYM

Testing shift by 22:
ZHVRVEHGXL

Testing shift by 23:
YGUQUDGFWK

Testing shift by 24:
XFTPTCFEVJ

Testing shift by 25:
WESOSBEDUI
```

3.) Document in the pdf what the plaintext message is. Did you shift the key LEFT and

the resulting characters RIGHT?

(15 points)

Ans: GOCYCLONES is the plaintext message. Yes, I shifted the key LEFT and resulting characters RIGHT.

4.) Submit your commented code from Part one as lab01_part01.py to canvas

(20 points)

Yes.

5.) Submit your commented code from Part two as lab01_part02.py to canvas

(20 points)

Yes.

6.) Submit your commented code from Part three as lab01_part03.py to canvas Did

you shift the key LEFT and the resulting characters RIGHT? (20 points)

Yes.