CS8 Lab04

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04/28/2015
Basic Information

• Prof. Costanzo’s Website

• My personal CS8 homepage:
    • Download lab slides here
    • Lab03 sample code here
Lab04

• Requirements
  – Pair-programming
  – Step 2: rot13 cipher
    • Try to use ord(), chr() functions, % operator
    • Mandatory
  – Step 3: test your rot13 cipher
    • Directly write code in lab04.py file
    • When you run codes in a file (not in shell), the return value of a function won’t be printed -> use print()
Lab04

• Requirements
  – Step 4: rot cipher
    • Must have a try, may not finish
  – Get your work check off
    • After you finish step3 and try step4
    • Submit Hw4, get your Hw3

• Extra Challenge: shift1 cipher
  – Use rot() function your wrote in step 4
    • rot() function can be used on a length 1 string (a character)
Suggestion

- When you are writing your code, make sure that you know the type of each variable.

```python
def encryptVignere(key, plainText):
    cipherText = ""
    keyLen = len(key)
    charNum = 0
    for i in range(len(plainText)):
        ch = plainText[i]
        if ch == ' ':  # These are strings
            cipherText = cipherText + ch
        else:
            cipherText = cipherText + vignereIndex(key[i%keyLen], ch)
    return cipherText
```

Blue -> length 1
Suggestion

• When you are writing your code, make sure that you know the type of each variable

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    cipherText = ""
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    for i in range(len(plainText)):
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            cipherText = cipherText + ch
        else:
            cipherText = cipherText + vignereIndex(key[i % keyLen], ch)
    return cipherText
```

These are integers