VIOLENT PYTHON #1

20180704 이승혁

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1. Violent Python- pyPdf

```
import pyPdf
    import optparse
    from pyPdf import PdfFileReader
5 ▼ def printMeta(filename):
        pdfFile = PdfFileReader(file(filename, 'rb'))
6
        docInfo = pdfFile.getDocumentInfo()
        print "[*] PDF MetaData For : " + str(filename)
8
        for metaItem in docInfo:
9
            print "[+] " + metaItem + ":" + docInfo[metaItem]
10
11
12 ▼ def main():
        parser = optparse.OptionParser('usage %prog -F <PDF file name>')
13
        parser.add_option("-F", dest = "filename", type = "string", help = "specify
14
15
        (options, args) = parser.parse_args()
        fileName = options.filename
16
17 ▼
        if fileName ==
                       python pypdf.py -F Untitled.pdf
                       [*] PDF MetaData For : Untitled.pdf
18
            print pars
19
            exit(0)
                       [+] /CreationDate:D:20180704145847Z00'00'
        else:
20
                       [+] /ModDate:D:20180704145847Z00'00'
21
            printMeta
                       [+] /Producer:Mac OS X 10.13.5 Quartz PDFContext
22
                       [+] /Title:Untitled
23
    if __name_
                       [+] /Creator:Keynote
24
        main()
```

1. Violent Python- Exiftool

교환 이미지 파일 형식 (Exif; EXchangable Image File format)은 디지털 카메라에서 이용되는 이미지 파일 포맷이다. 이 데이터는 JPEG, TIFF 5.0과 RIFF, WAV 파일 포맷에서 이용되며 사진에 대한 정보를 포함하는 데타데 이터를 추가한다. Exif는 JPEG 2000, PNG나 GIF 파일에서는 지원하지 않는다.

```
> exiftool monitor.jpg
ExifTool Version Number
                                : 11.04
File Name
                                : monitor.jpg
Directory
                               : 1436 kB
File Size
File Modification Date/Time : 2018:07:05 03:27:
01+09:00
File Access Date/Time
                         : 2018:07:05 03:43:
59+09:00
File Inode Change Date/Time
                                : 2018:07:05 03:33:
46+09:00
File Permissions
                                : rw-r--r--
File Type
                               : JPEG
File Type Extension
                               : jpg
MIME Type
                               : image/jpeg
                               : Little-endian (In
Exif Byte Order
tel, II)
Image Description
                               : SAMSUNG
                               : SAMSUNG
Make
Camera Model Name
                               : SHW-M110S
Orientation
                               : Horizontal (norma
l)
X Resolution
                               : 72
Y Resolution
                               : 72
Resolution Unit
                               : inches
Software
                                : fw 49.01 prm 49.1
04
Modify Date
                               : 2012:05:02 03:23:
```

-#15

Do you like music?
Hint : AuthKey is in this file.

main Back

Play the Music

```
Band
Title
                                  ´ÙÀ̾î,⊛
                                  ´ÙÀ̾î∫®
Album
Year
                                  2011
Track
                                 : http://ihoneydew.
User Defined URL
com/
Picture MIME Type
                                : image/jpeg
Picture Type
                                  Front Cover
Picture Description
Picture
                                 : (Binary data 1328
9 bytes, use -b option to extract)
Comment (kor)
                                  kpop.321.cn
                                  kpop.321.cn
Genre
                                 : GoodJobMetaTagSea
Conductor
rch
```

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Cipher I: What is it?

main

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86 71 57 107 89 88 107 103 97 88 77 103 89 83 66 110 98 50 57 107 73 71 82 104 101 83 52 103 86 71 104 108 73 69 70 49 100 71 104 76 90 88 107 103 97 88 77 103 86 109 86 121 101 86 90 108 99 110 108 85 98 50 53 110 86 71 57 117 90 48 100 49 99 109 107 104

> python base.py

VG9kYXkgaXMgYSBnb29kIGRheS4gVGhlIEF1dGhLZXkgaXMgVmV yeVZlcnlUb25nVG9uZ0d1cmkh

Today is a good day. The AuthKey is VeryVeryTongTon gGuri!

- #19

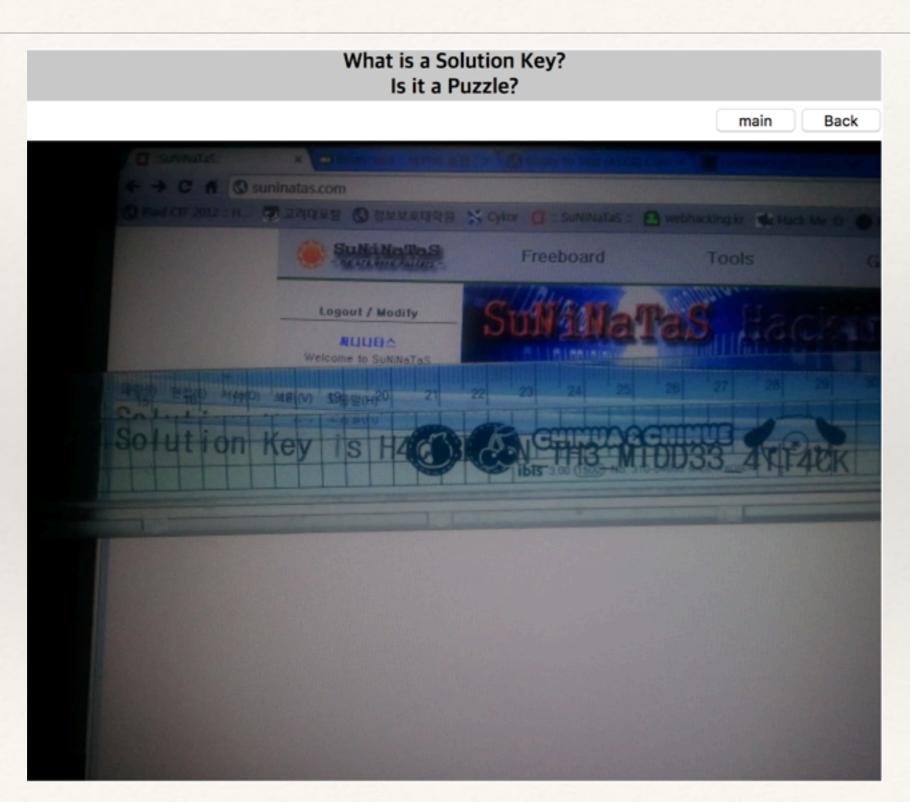
Cipher II: What is it?

main

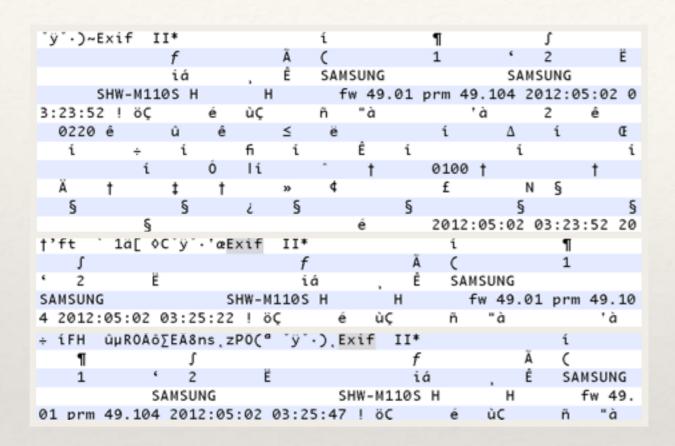
Back

> python <u>bin.py</u> 624 78
#1 : NVCTFDV KF JLEZERKRJ REU KFURP ZJ R XFFU URP R EU RLKYBVP ZJ GCRZUTKWZJMVIPYRIU
#2 : OWDUGEW LG KMFAFSLSK SFV LGVSQ AK S YGGV VSQ S FV SMLZCWQ AK HDSAVULXAKNWJQZSJV
#3 : PXEVHFX MH LNGBGTMTL TGW MHWTR BL T ZHHW WTR T GW TNMADXR BL IETBWVMYBLOXKRATKW
#10 : WELCOME TO SUNINATAS AND TODAY IS A GOOD DAY AND AUTHKEY IS PLAIDCTFISVERYHARD

-#21

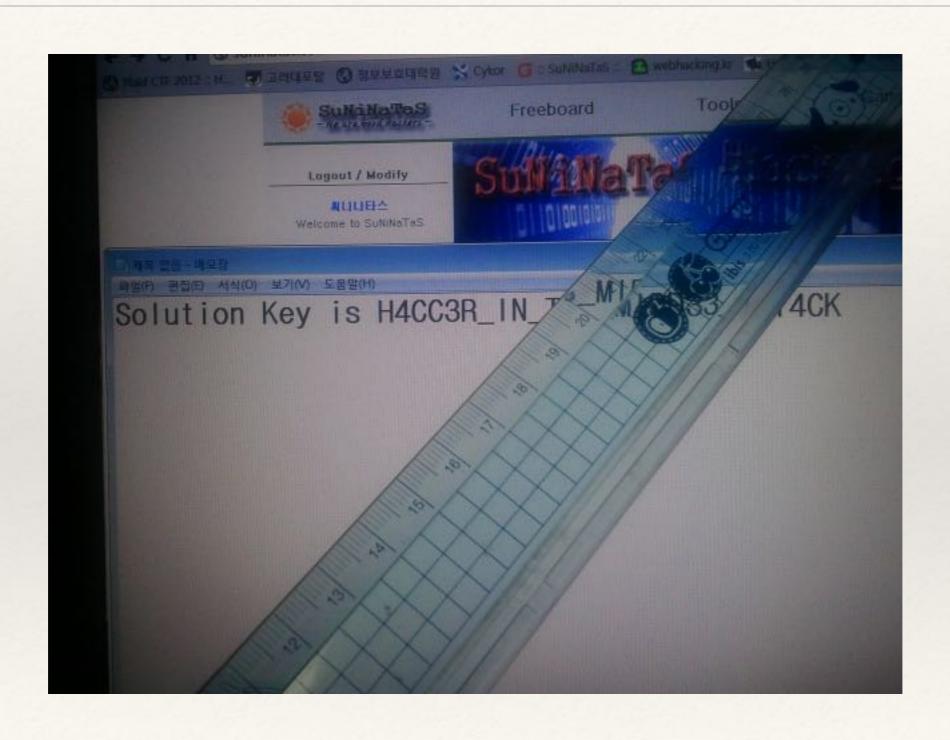


- #21

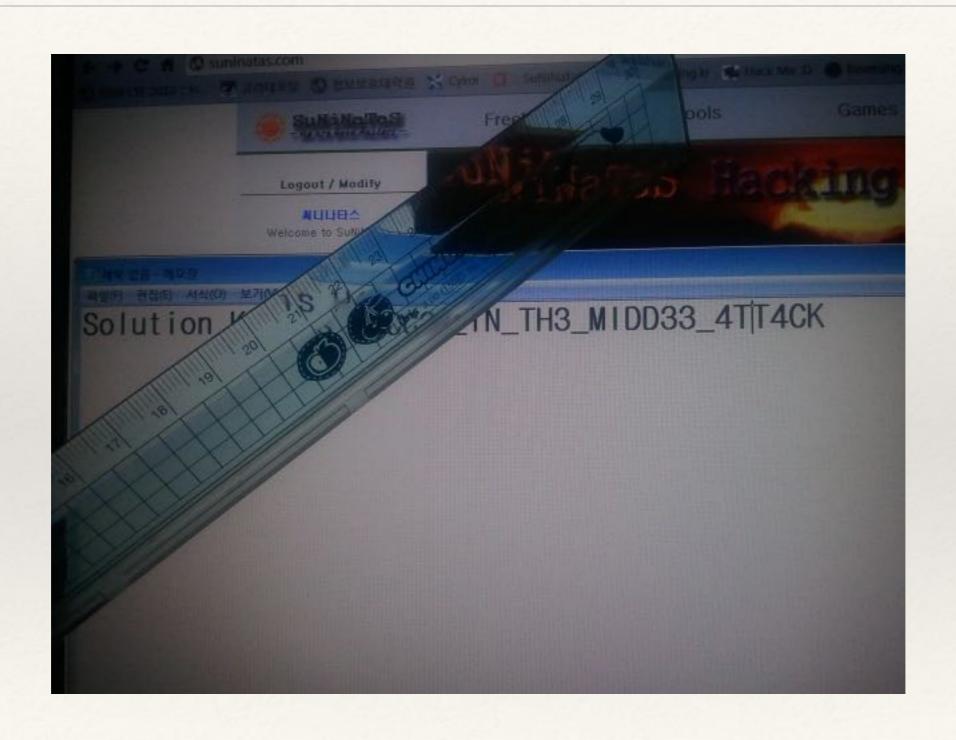




-#21



-#21



Cipher	Ш	:	Frequency	y ana	lysi	S
--------	---	---	-----------	-------	------	---

main

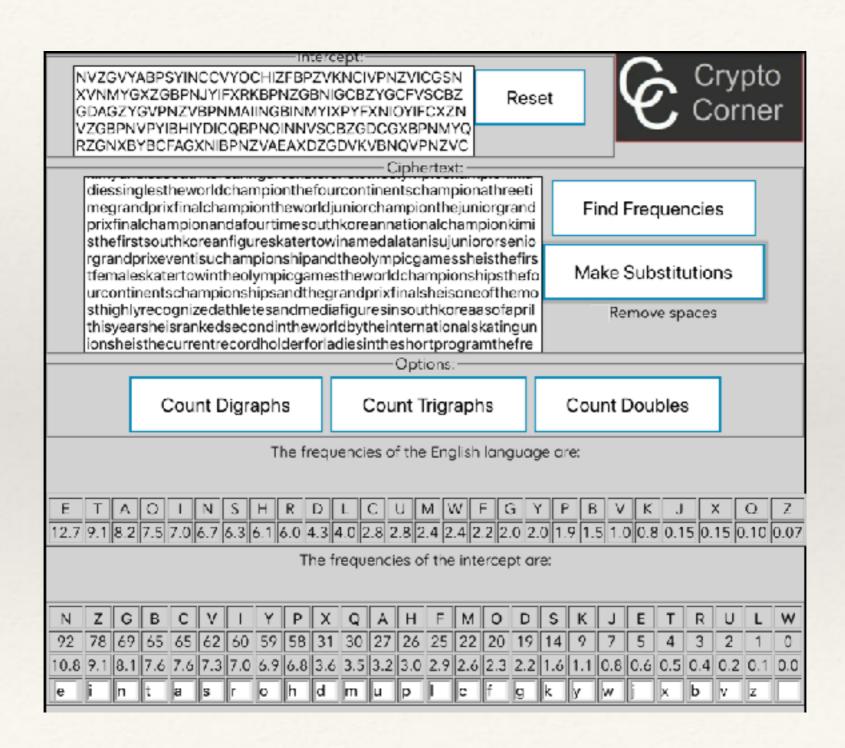
Back

This challenge is to recover the plaintext from the following ciphertext using frequency analysis:

szqkagczvcvyabpsyincgozdainvscbnivpnzvbpnyfkqhzmmpcqhzygzgfcxznvvzgdfnvbpnjyifxmpcqhzygbpnoyaimygbzgng bvmpcqhzygcbpinnbzqndicgxhiztozgcfmpcqhzygbpnjyifxeagzyimpcqhzygbpneagzyidicgxhiztozgcfmpcqhzygcgxcoyaib zqnvyabpsyincggcbzygcfmpcqhzygszqzvbpnozivbvyabpsyincgozdainvscbnibyjzgcqnxcfcbcgzvaeagzyiyivngzyidicgxhizt nungbzvampcqhzygvpzhcgxbpnyfkqhzmdcqnvvpnzvbpnozivbonqcfnvscbnibyjzgbpnyfkqhzmdcqnvbpnjyifxmpcqhzygv pzhvbpnoyaimygbzgngbvmpcqhzygvpzhvcgxbpndicgxhiztozgcfvpnzvygnyobpnqyvbpzdpfkinmydgzlnxcbpfnbnvcgxqn xzcozdainvzgvyabpsyinccvyochizfbpzvkncivpnzvicgsnxvnmygxzgbpnjyifxrkbpnzgbnigcbzygcfvscbzgdagzygvpnzvbpnm aiingbinmyixpyfxnioyifcxznvzgbpnvpyibhiydicqbpnoinnvscbzgdcgxbpnmyqrzgnxbybcfagxnibpnzvaeaxdzgdvkvbnqvpnz vcfvybpnozivbonqcfnvscbnibyvaihcvvbpnbjypaxincxhyzgbqcisagxnibpnzvaeaxdzgdvkvbnqvpnpcvgnunirnnghfcmnxyoo bpnhyxzaqzgpningbzinmcinni

Note that we have omitted the blank letters and punctuation marks of the plaintext.

- #26



- #26

The most common trigraphs in the english language are: THE,AND,THA,ENT,ION,TIO,FOR,NDE,HAS,NCE,TIS,OFT,MEN

The most common trigraphs in the message are: BPN,QHZ,ZYG,MPC,PCQ,CQH,HZY,PNZ,VBP,CGX,NZV,VPN,VSC

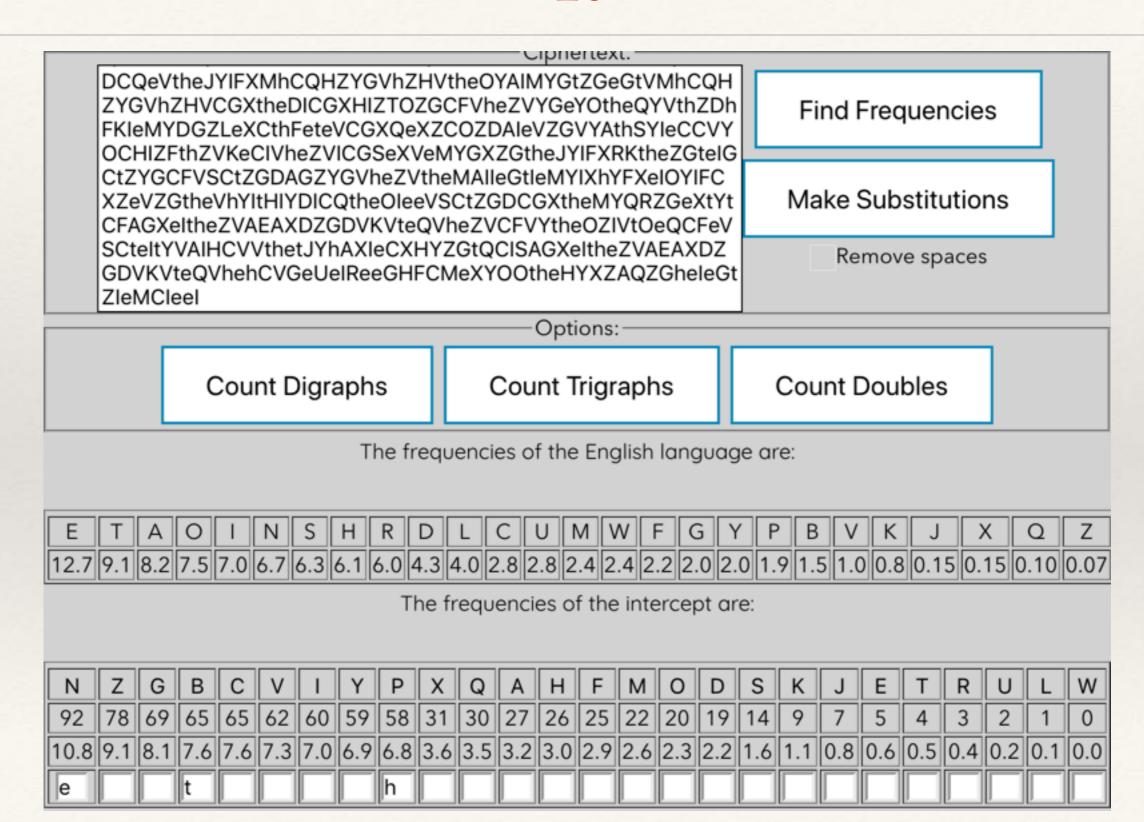
The most common digraphs in the english language are: TH,HE,AN,IN,ER,ON,RE,ED,ND,HA,AT,EN

The most common digraphs in the message are: BP,PN,ZG,ZY,YG,YI,IN,GB,CG,NV,VB,CQ,ZV

The most common double letters in the english language are: SS,EE,TT,FF,LL,MM,OO

The most common double letters in the message are: NN,VV,MM,GG,CC,II,OO

- #26



- #26

:Oemales: females

shehCs she has

Dames games or names

sKsteQ: system

hZghly highly

filst first

hereGtire her entire

Mareer career

QUESTIONS?