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Lab 12

import random

filename = input("Type in a filename then press enter: ")

file = open(filename, 'w+')

nums = []

for i in range(0,50):

nums.append(random.randint(1,500))

strList = ' '.join(str(i) for i in nums)

file.write(strList)

file = open(filename)

lines = file.readlines()

print(lines)

file.close()

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def encrypt(filename,outfile):

file = open(filename)

array = file.readlines()

string = ''.join(array)

byLetter = []

byLetter+=string

finalCodes=[]

for ch in range(0,len(byLetter)):

code = ord(byLetter[ch])

newCode = code + 5

finalCodes.append(newCode)

file = open(outfile,'w+')

for i in range(0,len(finalCodes)):

file.write(chr(finalCodes[i]))

def main():

print('This program will take a file in as input and and will output a unencrypted version')

f1 = input("Enter in the input file name: ")

f2 = input("Enter in the output file name: ")

encrypt(f1,f2)

main()

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def decrypt(filename,outfile):

file = open(filename)

array = file.readlines()

string = ''.join(array)

byLetter = []

byLetter+=string

finalCodes=[]

for ch in range(0,len(byLetter)):

code = ord(byLetter[ch])

newCode = code - 5

finalCodes.append(newCode)

file = open(outfile,'w+')

for i in range(0,len(finalCodes)):

file.write(chr(finalCodes[i]))

def main():

print('This program will take an encrypted file as input and and will output a unencrypted version')

f1 = input("Enter in the input file name: ")

f2 = input("Enter in the output file name: ")

decrypt(f1,f2)

main()