keygenMe#0

strings

edi = 0040339A // userinput nishan

eax = 6873696E 'hsin'

edx = 4E6AF4BC

xor edx, eax

edx = 26199DD2

inc edi = 0040339B

eax = 61687369 //ahsi

xor edx,eax

edx = 4771EEBB

...

eax = 6E616873 // nahs

xor edx, eax

edx = 291086C8

So the algorithm, gets user input and serial number in the form of FIT-{number here}.

The name length has to be atleast 5

Loops through string till length of string – 3

Starting string index = 3

In each loop gets string chars from index to 0

Xors the value with 1315632316 initially, next iteration xors with result of this xor operation,

Decreases counter, increases index

Finally the value = FIT-{XoredValue}

import sys

def reverse(val,index):

s = ""

for i in range(0,4):

s = s + val[index]

index = index - 1

print(s)

return s

def key\_gen(username):

if len(username) < 5:

print("Username not long enough, give atleast 5 length")

count = len(username) - 3

int\_values = ""

val = 1315632316

total = 0

value = ""

end = 3

while count != 0:

value = reverse(username,end)

print(value)

int\_values = "".join("{:02x}".format(ord(c)) for c in value)

print(int\_values)

total = int(int\_values,16)

print(hex(total))

val = val ^ total

print(hex(val))

count = count - 1

end = end + 1

int\_values = ""

print("FinalKey: FIT-{}".format(val))

key\_gen(sys.argv[1])