'''

Forage AIG Cybersecurity Program

Bruteforce starter template

'''

**from** zipfile **import** ZipFile

# Use a method to attempt to extract the zip file with a given password

# def attempt\_extract(zf\_handle, password):

#

#

#

**def** crack\_password(password\_list, obj):

# tracking line no. at which password is found

idx = 0

# open file in read byte mode only as "rockyou.txt"

# file contains some special characters and hence

# UnicodeDecodeError will be generated

**with** open(password\_list, 'rb') **as** file:

**for** line **in** file:

**for** word **in** line.split():

**try**:

idx += 1

obj.extractall(pwd=word)

print("Password found at line", idx)

print("Password is", word.decode())

**return** **True**

**except**:

**continue**

**return** **False**

password\_list = "rockyou.txt"

zip\_file = "gfg.zip"

# ZipFile object initialised

obj = zipfile.ZipFile(zip\_file)

# count of number of words present in file

cnt = len(list(open(password\_list, "rb")))

print("There are total", cnt,

"number of passwords to test")

**if** crack\_password(password\_list, obj) == **False**:

print("Password not found in this file")