import hashlib

import time

def StartPasswordCracking(file\_name, hash\_md5):

start\_time = time.time()

try:

with open(file\_name, "r") as pass\_file: #open password file

for password in pass\_file:

if hashlib.md5(str(password).strip()).hexdigest() == hash\_md5:

#remove end of line from password, calculate hash and compare with provided one

end\_time = time.time()

print("Cracked password is: " + password)

print("Total time comsumed: %.4f sec" % (end\_time - start\_time))

exit()

except Exception as ex:

print("Exception occured: "+ str(ex))

print("Program terminated unsuccessfully")

if \_\_name\_\_ == "\_\_main\_\_":

print("Dictionary Attack")

print("Please enter following attributes in '"'<parameter>'"' format")

file\_name = str(input("Enter Password File: "))

hash\_md5 = str(input("Enter MD5 hash of password you want to crack: "))

StartPasswordCracking(file\_name, hash\_md5)