import os

import random

import string

lower = string.ascii\_lowercase

Upper = string.ascii\_uppercase

symbols = string.punctuation

numbers = string.digits

lexicon = " "

choice = 0

while choice != 5:

try:

choice = int (input("Select the options to create your password. \n1. to add lower case letters.\n2. to add upper case letters.\n3. to add symbols.\n4. to add digits.\n5. to confirm your selections\n"))

if choice == 1:

lexicon += lower

if choice == 2:

lexicon += Upper

if choice == 3:

lexicon += symbols

if choice == 4:

lexicon += numbers

except:

print ("Invalid input. Please enter a valid input.\n")

site = input ("What do you want to generate a password for?: ")

length = 0

while length < 8:

try:

length = int (input ("Please enter a value of 8 or above: "))

password = "".join(random.sample(lexicon,length))

print ("Your password is %s"%(password))

with open ('passwordlist.txt', 'a') as f:

f.write (site + " : " + password + "\n")

except TypeError as e:

print (e)

length = 0

except ValueError as e:

print (e)

length = 0

except NameError as e:

print (e)

length = 0

finally:

continue