import string

import random

## characters to generate password from

characters = list(string.ascii\_letters + string.digits + "!@#$%^&\*()")

def generate\_random\_password():

## length of password from the user

length = int(input("Enter password length: "))

## shuffling the characters

random.shuffle(characters)

## picking random characters from the list

password = []

for i in range(length):

password.append(random.choice(characters))

## shuffling the resultant password

random.shuffle(password)

## converting the list to string

## printing the list

print("".join(password))

## invoking the function

generate\_random\_password()