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Instructions: Create a password generator in python

import string

import random

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

print('''Choose character set for password from these :

1. Digits

2. Letters

3. Special characters

4. Exit''')

characterList = ""

while(True):

choice = int(input("Pick a number "))

if(choice == 1):

characterList += string.ascii\_letters

elif(choice == 2):

characterList += string.digits

elif(choice == 3):

characterList += string.punctuation

elif(choice == 4):

break

else:

print("Please pick a valid option!")

password = []

for i in range(length):

randomchar = random.choice(characterList)

password.append(randomchar)

print("The random password is " + "".join(password))