import string  
import random  
len = int(input("Enter the length of the password: "))  
print("Choose option for generating password: \n 1.Letters \n 2.Digits \n 3.Special characters \n 4.Exit")  
charlist = ""  
while (True) :  
 choice = int(input("select option: "))  
 if (choice == 1):  
 charlist += string.ascii\_letters  
 elif (choice == 2):  
 charlist += string.digits  
 elif (choice == 3):  
 charlist += string.punctuation  
 elif (choice == 4):  
 break  
else:  
 print("Please pick valid option")  
password = []  
for i in range(len):  
 randomchar = random.choice(charlist)  
 password.append(randomchar)  
print("The random generated password is "+" ".join(password))