In [ ]:

```
#Password Generator Project (**** my solution)
import random
letters = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n', 'o
numbers = ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9']
symbols = ['!', '#', '$', '%', '&', '(', ')', '*', '+']

print("Welcome to the PyPassword Generator!")
nr_letters= int(input("How many letters would you like in your password?\n"))
nr_symbols = int(input(f"How many symbols would you like?\n"))
nr_numbers = int(input(f"How many numbers would you like?\n"))

#Eazy Level - Order not randomised:
#e.g. 4 letter, 2 symbol, 2 number = JduE&!91
list_letters=[]
for i in range(nr_letters):
    list_letters.append(random.choice(letters))
print(list_letters)

list_symbols=[]
for s in range(nr_symbols):
    list_symbols.append(random.choice(symbols))
print(list_symbols)

list_numbers=[]
for l in range(nr_numbers):
    list_numbers.append(random.choice(numbers))
print(list_numbers)
#concatnating 3 lists into one list
password_list=list_letters+list_symbols+list_numbers
random.shuffle(password_list)
print(password_list)
#create one variable from password list
password=""
for c in password_list:
    password+=c
print(f"Your password is: {password}")
```