

```
import random
import string
upper=string.ascii_lowercase
lower=string.ascii_uppercase
numbers=string.digits
symbols=string.punctuation
print("welcome to create a password")
n_upper=int(input("how many uppercase u want to generate password:"))#4
n_lower=int(input("how many lowercase u want to generate password:"))#4
n_numbers=int(input("how many numbers u want to generate password:"))#2
n_symbols=int(input("how many symbols u want to generate password:"))#3
password_lt=[]
for i in range(1,n_upper+1):
    v1=random.choice(upper)
    password_lt+=v1
for i in range(1,n_lower+1):
    v1=random.choice(lower)
    password_lt+=v1
#print(password)
for i in range(1,n_numbers+1):
    v1=random.choice(numbers)
    password_lt+=v1
#print(password)
for i in range(1,n_symbols+1):
    v1=random.choice(symbols)
    password_lt+=v1
print(password_lt)
random.shuffle(password_lt)
print(password_lt)
password=""
for v1 in password_lt:
    password+=v1
print(password)
```