```python
# this is the program that i have written to generate the password
import random
d=['z','x','c','v','b','n','m','a','s','d','f','g','h','j','k','l','q','w','e','r','t','y','u','i','o','p']
y=['Z','X','C','V','B','N','M','A','S','D','F','G','H','J','K','L','Q','W','E','R','T','Y','U','I','O','P']
q=['1','2','3','4','5','6','7','8','9','0']
s=['!','@','#','$','%','^','&','*','(']
e=int(input("how many digits in password? : "))
a=int(input("how many lower letters? : "))
b=int(input("how many upper letters? :  "))
o=int(input("how many numbers u want in your password : "))
w=int(input("how many special characters? : "))
if (a+b+o+w == e):
    Q=random.sample(d,a)
    A=random.sample(y,b)
    T=random.sample(q,o)
    R=random.sample(s,w)
    D=Q+A+T+R
    random.shuffle(D)
    F=''.join(D)
    print(F)
else:
    print(f"u selected the password length to be {e} but u entered , lower letters {a}, upper {b}, numbers {o},symbols {w}, so password not possible sorr
```