

TASK – 3

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In [1]: import random
letters = [ 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z']
numbers = [ '0', '1', '2', '3', '4', '5', '6', '7', '8', '9']
symbols = [ '!', '@', '#', '$', '%', '&', '?', '+']
print('welcome to the Password Generator!')
num_letters = eval(input('How many letters would do you like in your password:'))
num_numbers = eval(input('How many numberss would do you like in your password:'))
num_symbols = eval(input('How many symbols would do you like in your password:'))

password_list=[]
for i in range(1,num_letters + 1):
    password_list.append(random.choice(letters))
for i in range(1,num_numbers + 1):
    password_list.append(random.choice(numbers))
for i in range(1,num_symbols + 1):
    password_list.append(random.choice(symbols))

random.shuffle(password_list)
password = ""
for i in password_list:
    password += i
    print(i,i)

pwd = ''.join(password_list)
print(f"your random password is:{pwd}")
```

```
welcome to the Password Generator!
How many letters would do you like in your password:6
How many numberss would do you like in your password:2
How many symbols would do you like in your password:1
K K
K K
Q Q
1 1
V V
Z Z
A A
4 4
@ @
your random password is:KKQ1VZA4@
```