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In [1]: import random
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In [3]: 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"))
```

```
Welcome to the PyPassword Generator!
How many letters would you like in your password?
2
How many symbols would you like?
2
How many numbers would you like?
2
```

```
In [8]: password_list = []
for char in range(1,nr_letters+1):
    random_char=random.choice(letters)
    password_list.append(random_char)
    print(password_list)
for char in range(1,nr_symbols+1):
    password_list+=random.choice(symbols)
    print(password_list)
for int in range(1,nr_numbers+1):
    password_list+=random.choice(numbers)
    print(password_list)
random.shuffle(password_list)
print(password_list)
password=""
for char in password_list:
    password+=char
print(f"your password is{password}")
```

```
['N']
['N', '0']
['N', '0', '$']
['N', '0', '$', ')']
['N', '0', '$', ')', '4', '9']
['$', '4', ')', '9', '0', 'N']
your password is$4)90N
```

```
In [ ]:
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