In [5]:
```python
# Password Generator


import string
import random
length = int(input("Enter the desired length of the password: "))
letters = string.ascii_letters
numbers = string.digits
symbols = string.punctuation
letters_list = list(letters)
numbers_list = list(numbers)
symbols_list = list(symbols)
many_letter = int(input(f"how many letter ? \n"))
many_numbers = int(input(f"how many numbers ? \n"))
many_symbols = int(input(f"how many symbols ? \n"))

#................................................
def main():
    print("Password Generator")
    print("------------------")

password = []
finalpassword = []
counter_l = 0
for l in letters_list :
    password.append(random.choice(letters_list))
    counter_l += 1
    if counter_l == many_letter :
        break

counter_n = 0
for n in numbers_list :
    password.append(random.choice(numbers_list))
    counter_n += 1
    if counter_n == many_numbers  :
        break

counter_s = 0
for s in symbols_list :
    password.append(random.choice(symbols_list))
    counter_s += 1
    if counter_s == many_symbols :
        break
p_counter = 0
for p in password :
   finalpassword.append(random.choice(password))
   p_counter += 1
   if p_counter == len(password) :
       break

print("".join(finalpassword))
```

```
Enter the desired length of the password: 5
how many letter ?
2
how many numbers ?
2
how many symbols ?
1
5T5^T
```

In [ ]:
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