Random Password Generator

In [ ]:
```
1  **Random Password Generator**
2
3  This project is a simple Python script that generates random passwords of
4  It uses a combination of letters (both lowercase and uppercase), digits, a
5  and secure passwords.
6
7  The script provides a function called `generate_password` that takes a par
8  the specified length. The `random.choice` function is used to select rando
9  and the `join` function concatenates these characters into a single string
10
11 To use the password generator, run the script in a Python environment and
12 prompted. The script will generate a random password of the specified leng
13
14 This project can be useful for enhancing account security by creating stro
15 can also be integrated into larger applications or systems that require pa
16 serves as a practical example for learning about randomization, string man
17
18 Feel free to modify the code or customize the project to suit your specifi
```

In [6]:
```python
1  import random     # Generate random characters
2  import string     # Provides predefined string like letters, digits and pun
3
4
5  # defining a function to create random password
6  def generate_password(length):
7      characters = string.ascii_letters + string.digits + string.punctuation
8      password = ''.join(random.choice(characters) for _ in range(length))
9      return password
10
11 print("--- Random Password Generator ---")
12
13 # taking the input from user
14 length = int(input("Enter the length of the password: "))
15
16 # calling the function
17 password = generate_password(length)
18
19 print("Generated Password:", password)
20
21
```

```
--- Random Password Generator ---
Enter the length of the password: 9
Generated Password: L7Na1n8&2
```