In [3]:
```python
import random
import string

def generate_password():
    print("Password Generator")

    # Ask user for desired password length
    try:
        length = int(input("Enter desired password length: "))
        if length <= 0:
            print("Password length must be a positive number.")
            return
    except ValueError:
        print("Invalid input. Please enter a number.")
        return

    # Define character set
    characters = string.ascii_letters + string.digits + string.punctuation

    # Generate password
    password = ''.join(random.choice(characters) for _ in range(length))

    # Display the password
    print(f"Generated password: {password}")

# Run the password generator
generate_password()
```

Password Generator

Enter desired password length: 5

Generated password: I{&i@

In [ ]: