Concept: File Handling

File handling in Python allows reading and writing data to external files. It is essential for persistent data storage.

Use open() function with modes: 'r' (read), 'w' (write), 'a' (append), and 'r+' (read/write). Always close files after use to free resources.

The with statement is recommended for automatic file closure.

Reading can be done line by line or all at once, and writing replaces content unless you use append mode.

```
with open('example.txt', 'w') as f:
    f.write('Hello, world!')

with open('example.txt', 'r') as f:
    content = f.read()
    print(content)
```