**Core Concepts:**

1. **Classes vs Objects**: Classes are blueprints (e.g., Minion), while objects are instances (e.g., Kevin with specific properties).
2. **Class Implementation**:
   * Use class keyword with PascalCase naming
   * \_\_init\_\_ serves as constructor
   * Methods use snake\_case and require self parameter
3. **Special Methods**:
   * \_\_str\_\_: Controls string representation
   * \_\_eq\_\_: Defines equality comparison
   * Others: \_\_add\_\_, \_\_sub\_\_, etc. for operator overloading
4. **Encapsulation**:
   * Use getters/setters instead of direct attribute access
   * Convention: Prefix private vars with \_ (e.g., \_weight)

**File I/O:**

1. **Modes**:
   * 'r': Read
   * 'w': Write (overwrites)
   * 'a': Append
2. **Best Practices**:
   * Always close files (use with statement)
   * Paths can be absolute or relative
3. **Reading Methods**:
   * read(): Entire content as string
   * readline(): Single line
   * readlines(): List of lines
   * Iteration: Process line-by-line