

Chapter 4. Designing Contracts

1. Pre-conditions & Post-conditions

pre-condition - ensure valid input

post-condition - ensure valid output

assert <condition>: <message> → throws AssertionError

2. Invariants

ensure value is valid after each operation - check at end of methods

3. Changing contracts & Liskov substitution principle

pre-conditions of subclass - same or weaker than those of base class

post-conditions of subclass - same or stronger than those of base class