

5. Programmer Misconceptions

Programmer Misconceptions: Introduction

- CON50-J. Do not assume that declaring a reference volatile guarantees safe publication of the members of the referenced object
- CON51-J. Do not assume that the `sleep()`, `yield()`, or `getState()` methods provide synchronization semantics
- EXP50-J. Do not confuse abstract object equality with reference equality
- EXP54-J. Understand the differences between bitwise and logical operators
- FIO53-J. Use the serialization methods `writeUnshared()` and `readUnshared()` with care
- IDS55-J. Understand how escape characters are interpreted when strings are loaded
- MET51-J. Do not use overloaded methods to differentiate between runtime types
- NUM51-J. Do not assume that the remainder operator always returns a nonnegative result for integral operands
- OBJ50-J. Never confuse the immutability of a reference with that of the referenced object
- OBJ54-J. Do not attempt to help the garbage collector by setting local reference variables to null

