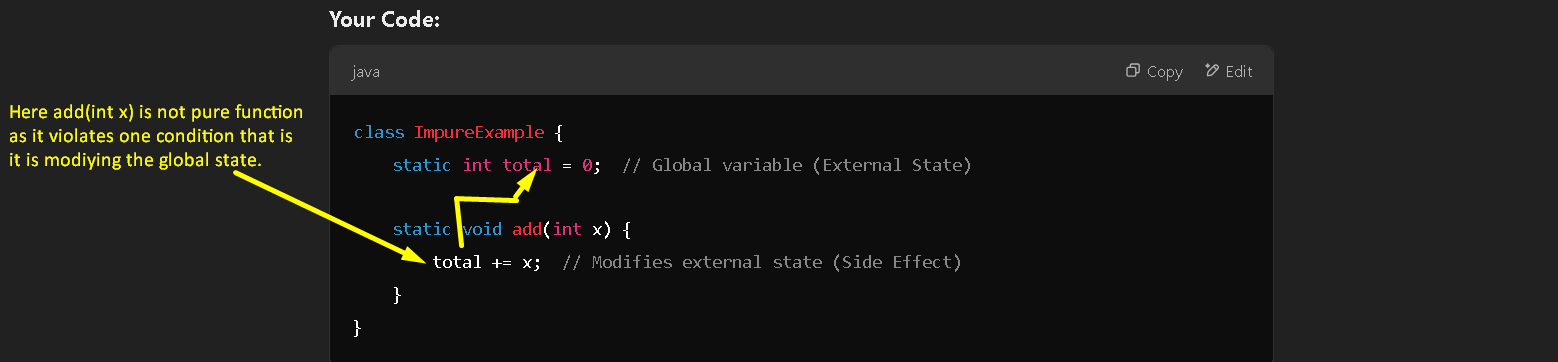
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# 01 About Pure Functions

Must satisfy two key properties

1. Same input gives always same output (**Deterministic Behavior)**
2. **No Side-effects (Doesn’t modify external states)**
   1. It should return only value without changing global state, external variables or without performing operations (like printing, writing to files, or modifying DB).
3. 
4. As it is modifying the global state, so it is **state-dependent and it will not return always same output for same input.**