

## 🏴‍☠️ Exercise 1: The Vault Audit

**Story:** Legend tells of a hidden warehouse—**Vault 42**—filled with gadgets, gizmos, and geeky treasures. Your mission, should you choose to accept it, is to crack open the ledger and tell the world how much gold (💰) is locked inside.

### Your Tasks

#### 1. `computeTotalValue(products)`

- **Mission:** Tot up every coin in Vault 42!
- **What to do:** Loop through `products` and add `price × stock` into a running total.
- **Return:** a single number: the vault's total worth.

#### 2. `computeCategorySummary(products)`

- **Mission:** Sort the spoils by treasure type.
- **What to do:** Build an object that maps each `category` ("Electronics," "Books," "Clothing," etc.) to the total value of items in that category.
- **Return:** an object like `{ Electronics: 1234.56, Books: 789.10, ... }`.

◆ **Why it's cool:** Your code becomes the vault's treasure map—students practice loops, object keys, and accumulation.