

Spy Mission: Operation Clean Data

Agent Name: _____ Date: _____

Mission Objective

Your mission is to clean corrupted data and restore integrity to the agency's database. You'll fix missing values, remove duplicates, and standardize formats to ensure the data is accurate and ready for use.

Agent Briefing

The dataset below contains intelligence records from recent missions. Unfortunately, it's a mess. Review each record carefully and apply your data cleaning skills.

Sample Data Table

Agent ID	Name	Location	Mission Date	Status
007	Bond, James	London	4/10/2023	complete
005	Moneypenny		2023-04-10	COMPLETE
007	Bond, James	London	April 10	Complete
002	Q	Berlin	4/10/2023	In-Progress
001		Paris	4/10/2023	complete

Part 1: Identify the Problems

Circle or highlight issues in the table above:

- Missing values
- Duplicated entries
- Inconsistent formatting
- Spelling or capitalization differences

How many problems did you find? _____

Part 2: Clean the Data

Rewrite the corrected version of the table below. Standardize the format as follows:

- Dates = MM/DD/YYYY
- Status = lowercase
- No blanks or duplicates

Agent ID	Name	Location	Mission Date	Status

Debrief

1. What was the most difficult part of this mission?

2. Why is clean data important in real life?

3. Give one real-world example where bad data could cause serious problems.
