

JUMIA WORKSHOP - Golden Prompts & Shortcuts

SQL Golden Prompts

- "Optimize this SQL query for performance and explain which indexes to add: [PASTE QUERY]"
- "Rewrite this query using explicit JOINs and explain why it's faster: [PASTE QUERY]"
- "Find anomalies where price <= 0 and provide a remediation query"

n8n Shortcuts & Golden Prompts

- Import a template: use Import -> Load then connect credentials via your secrets manager.
- Golden prompt (n8n + analysis):
"Analyze this code. Generate a step-by-step explanation intended for a non-technical analyst. Explain the business logic: why are we filtering negative prices? Create a bulleted list of 'Points of Vigilance' for the audit."
- Quick node recipe: "Create a node that reads a CSV, filters rows where price <= 0, and sends an HTTP request to create a ticket for each anomaly."
- Use a Function node to map fields to the structure defined in schema_target.json.

Concise step-by-step (for handouts)

- **Start:** Trigger the workflow.
- **Load:** Read anomalies_dataset.csv.
- **Detect:** Filter records where price <= 0 (flagged as anomalies).
- **Ticket:** Create a ticket via HTTP request for each anomaly.
- **Remediate** (optional): AI suggests fixes; human reviews before changes.

Business rationale (short)

Prices <= 0 typically indicate data entry errors, missing information, or potential manipulation. Catching these early prevents incorrect financial reports, broken customer experiences, and downstream analytics issues.

Audit checklist — Points of Vigilance

Secrets: Use Vault references (no plaintext credentials).

Audit Trail: Include product ID, original price, timestamp, and ticket ID.

Avoid Duplicates: Ensure ticket creation is idempotent.

False Positives: Provide manual review for cases like promotional zero-prices.

Error Handling: Implement retries, backoff, and logging for HTTP calls.

Privacy: Mask PII before sending to external systems.

Human-in-the-loop: Require human approval for automated price changes.

Monitor & Reconcile: Re-run checks after fixes and log results for auditors.

Tips for workshop exercises

- Replace secrets with Vault entries before demoing.
- Use LIMIT during tests and a sandbox ticket endpoint.
- Map output fields to schema_target.json before exporting.

Generated for the Jumia Workshop — replace or extend for final distribution.