# **AI ASSISTED CODING**

**LAB TEST-2**

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BATCH:11

**Task-1: Parse INI config**

Context:INI configs in real estate listings platform.

 Your Task: Parse to nested dict; cast obvious ints.

 Data & Edge Cases: db/auth sections example.

 AI Assistance Expectation: AI for robust whitespace handling.

 Constraints & Notes:

Return dict [str, dict [str, object]].

Sample Input

[db]  
host=localhost  
port=5432  
[auth]  
token=abc

Sample Output

{'db’: {'host':'localhost','port':5432},'auth’: {'token':'abc'}}

Acceptance Criteria: Casts ports; preserves strings

**Prompt:**

Parse an INI string into a nested dict of sections and key-value pairs. Cast values that are integers to int, keep others as strings. Ignore blank lines and lines starting with; or #. Handle whitespace around keys, values, and sections.

Sample input:

[db]

host=localhost

port=5432

[auth]

token=abc

Output: {'db': {'host': 'localhost', 'port': 5432}, 'auth': {'token': 'abc'}}

**Code:**

A screen shot of a computer program

AI-generated content may be incorrect.

A computer screen shot of a computer

AI-generated content may be incorrect.

**Output:**

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**Task-2:** **Compute average SLA response time**

Context: Support metrics in real estate listings platform.

 Your Task: Average ticket durations in minutes from opened/closed ISO timestamps.

 Data & Edge Cases: List of dicts with timestamps.

 AI Assistance Expectation: AI for datetime parsing.

 Constraints & Notes: Naive timestamps fine.

Sample Input

[{'ticket': 'T1', 'opened': '2025-02-01T10:00', 'closed': '2025-02-01T12:15'}, {'ticket': 'T2', 'opened': '2025-02-01T09:30', 'closed': '2025-02-01T10:00'}]

Sample Output: 82

Acceptance Criteria: Correct integer average.

**Prompt:**

Write a Python function that takes a list of dictionaries representing support tickets. Each dictionary contains ISO 8601 'opened' and 'closed' timestamp strings. The function should return the average ticket duration in minutes as an integer, rounded to the nearest whole number. If the list is empty, return 0.

Example input:

[{'ticket': 'T1', 'opened': '2025-02-01T10:00', 'closed': '2025-02-01T12:15'},

{'ticket': 'T2', 'opened': '2025-02-01T09:30', 'closed': '2025-02-01T10:00'}]

Expected output for this input: 82.

**Code:**

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**Output:**

A black screen with white text

AI-generated content may be incorrect.