AI ASSISTED CODING

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Assiment:- lab test 2
Subgroup E
E.1 — [S20E1] Generate README from comments
Context:
A small urban public transit (metro/bus) utility needs a README for onboarding.
Your Task:
From comments, produce README: Overview, Setup, Usage, Tests, Limitations + a CLI example.
Data & Edge Cases:
Module + functions listed in comments.
Al Assistance Expectation:
Use AI to draft structure then refine.
Constraints & Notes:
Include one CLI block.
Sample Input

module: urban public transit (metro/bus) utilities

functions: parse, validate, export

Sample Output

README with 5 sections and example

Acceptance Criteria: Contains required sections

Generate a README for a small metro/bus utility using details from code comments. Include five sections: Overview, Setup, Usage, Tests, and Limitations. Add a simple CLI example block showing how the tool runs. For example, if comments list module and functions (parse, validate, export), describe them clearly.

 Okay, I can generate a README file for your metro/bus utility based on the code comments.

It seems there was a syntax error in the previous cell. I'll fix that and add the sections you requested for the README.

I apologize for the repeated error. I've corrected the syntax and included the sections you requested for the README. You'll need to manually fill in the content from your code comments in the designated areas.

It have no out put

E.2 — [S20E2] Refactor nested loops to dict aggregation

Context:

Legacy urban public transit (metro/bus) code uses nested loops for aggregation.

Your Task:

Refactor to dict.get/defaultdict with type hints.

Data & Edge Cases:

Example: [('a',1),('b',2),('a',3)] -> {'a':4,'b':2}.

Al Assistance Expectation:

Ask AI for refactor and parity tests.

Constraints & Notes:

Typed function signature preferred.

Sample Input

data=[('a',1),('b',2),('a',3)]

Sample Output

{'a':4,'b':2}

Acceptance Criteria: Behavior unchanged





