AI ASSISTED CODING

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BATCH:11

SUB GROUP:C

C.1 — [S18C1] Debug de-duplication (case-insensitive)

Context:

Contact records in the real estate listings platform CRM contain duplicates differing only by case.

Your Task:

Return the first occurrence of each email (case-insensitive) while preserving original order.

Data & Edge Cases:

Input: list of emails. Normalize keys using lowercase; output retains original casing.

AI Assistance Expectation:

Use AI to spot bug (reinitializing `seen` in loop) and correct to stable algorithm.

Constraints & Notes:

Add unit tests covering mixed-case duplicates.

Sample Input

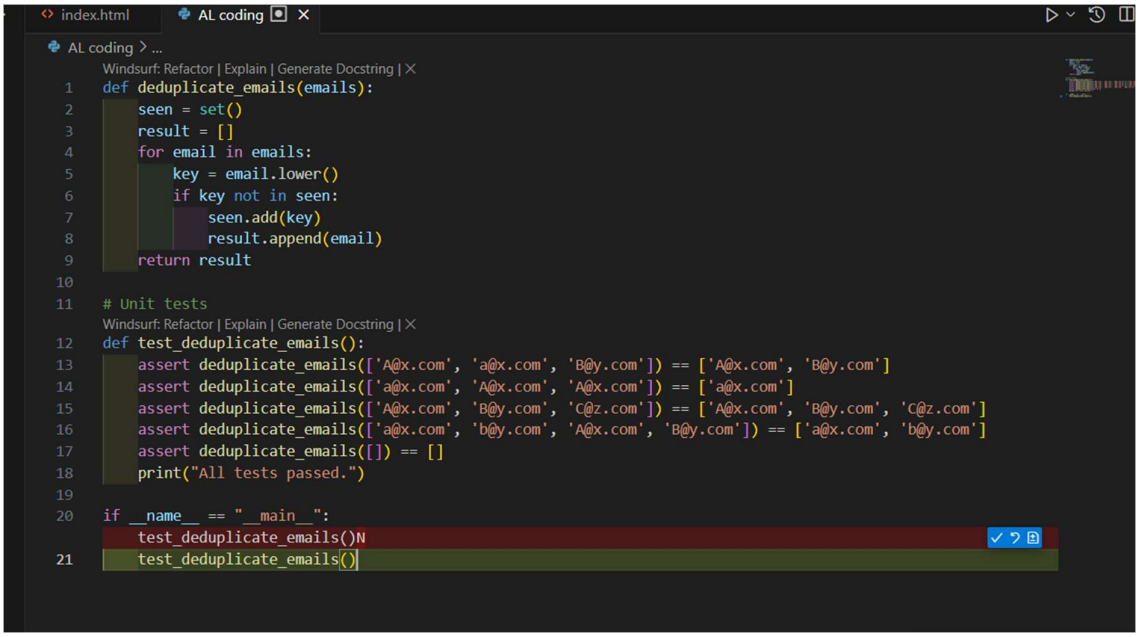
['A@x.com', 'a@x.com', 'B@y.com']

Sample Output

['A@x.com', 'B@y.com']

Acceptance Criteria: Preserves first occurrence order; case-insensitive matching

CODE:



OUTPUT:

QUESTION:2

C.2 — [S18C2] TDD: slugify titles

Context:

Titles in the real estate listings platform CMS must become SEO slugs.

Your Task:

TDD for slugify(text): lowercase, remove non-alnum except hyphen, spaces->hyphen, collapse and trim hyphens.

Data & Edge Cases:

Include punctuation and multiple spaces.

AI Assistance Expectation:

Have AI propose parametric tests then implement regex solution.

Constraints & Notes:

Return correct slugs.

Sample Input

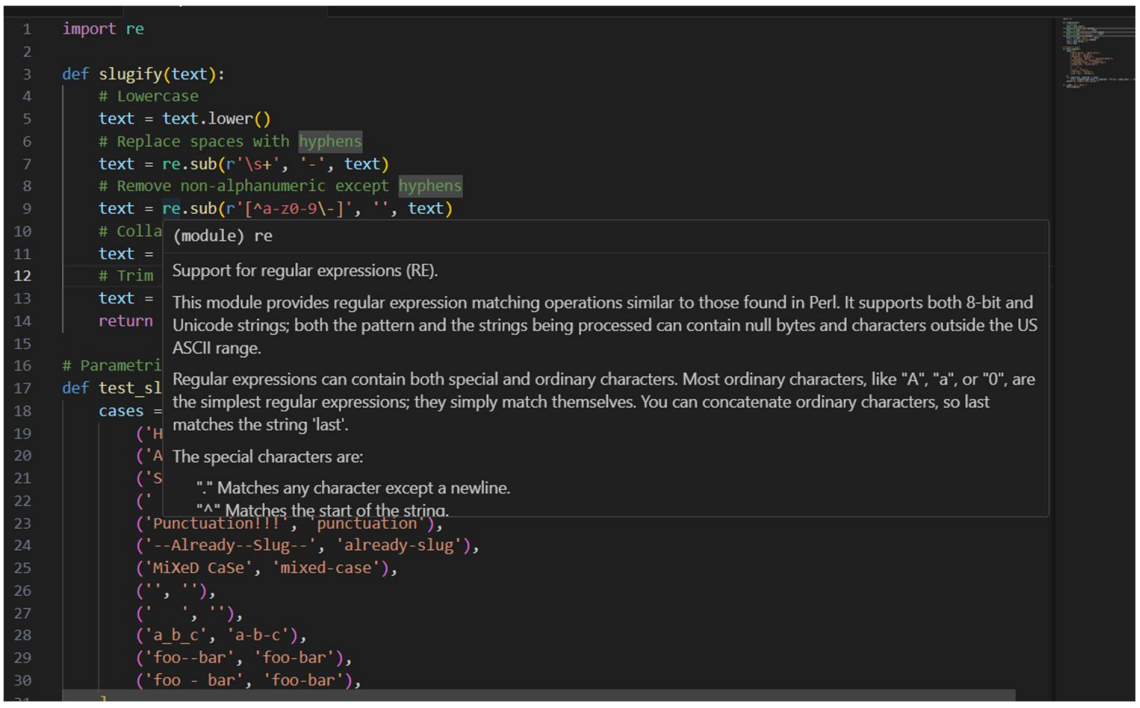
['Hello World!', 'AI & You', 'Set18-C2']

Sample Output

['hello-world', 'ai-you', 'set18-C2']

Acceptance Criteria: All tests pass

CODE:



OUTPUT/INPUT: