Lab Assignment-7.5

Error Debugging with AI: Systematic approaches to finding and fixing bugs

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Batch-11

Task 1 (Mutable Default Argument – Function Bug)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 2 (Floating-Point Precision Error)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 3 (Recursion Error – Missing Base Case)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 4 (Dictionary Key Error)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 5 (Infinite Loop – Wrong Condition)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 6 (Unpacking Error – Wrong Variables)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 7 (Mixed Indentation – Tabs vs Spaces)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination:

Task 8 (Import Error – Wrong Module Usage)

Prompt: Analyse the given code and fix it

Code without errors:

Output:

Explaination: