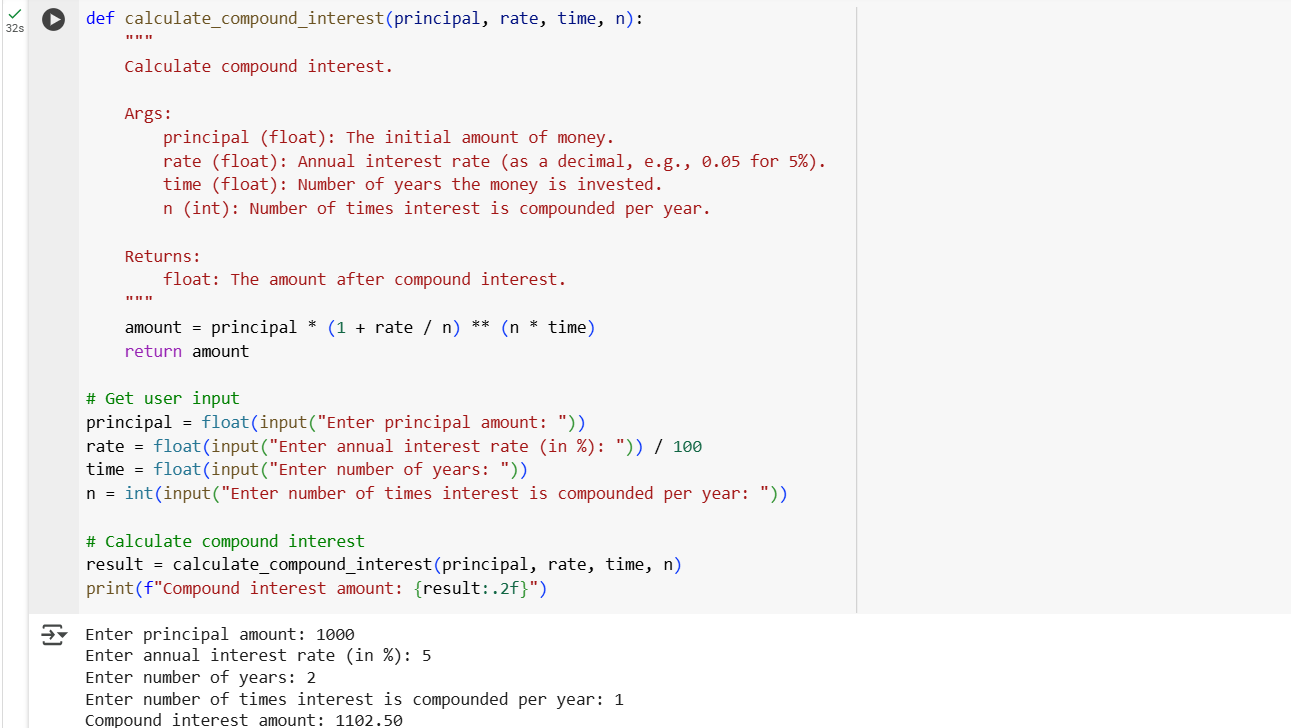
**AssignmentNumber:3.2**

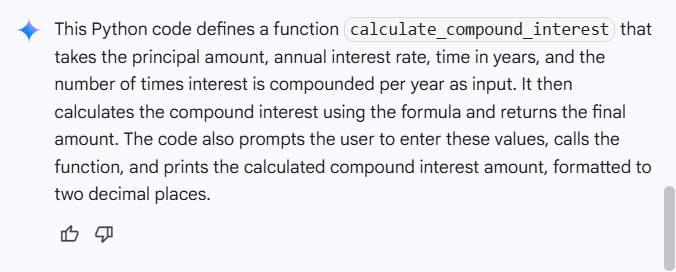
**Task Description#1: Tuesday, 12 August 2025**

* Ask AI to write a function to calculate compound interest, starting with only the function name. Then add a docstring, then input-output example.

**Code:**



**Explanation:**

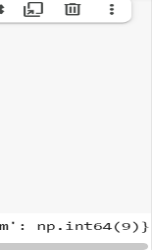
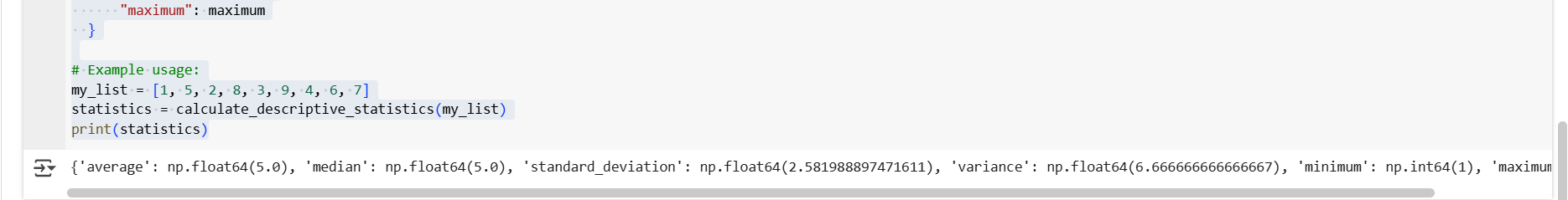
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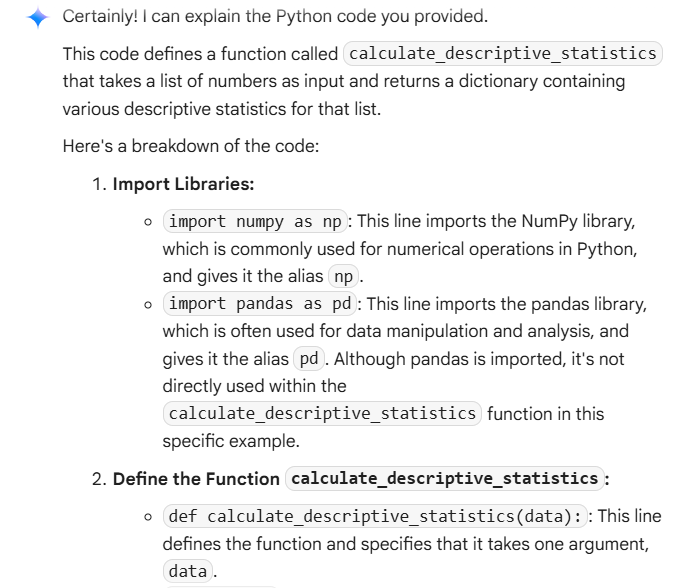
**Task Description#2:**

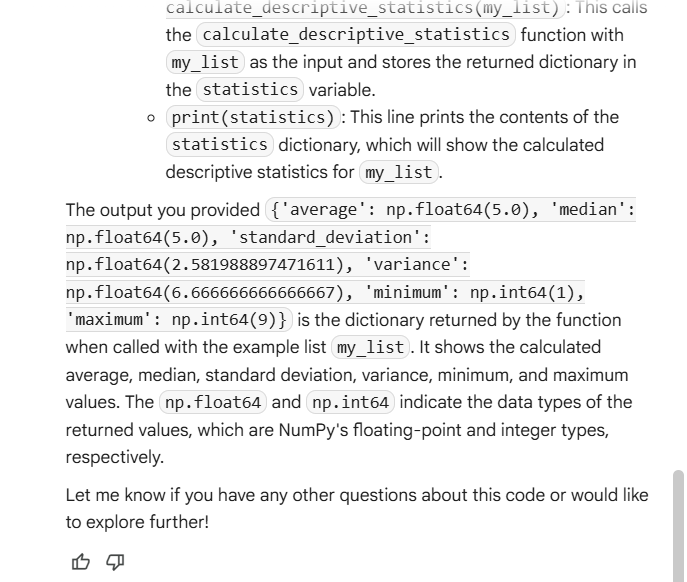
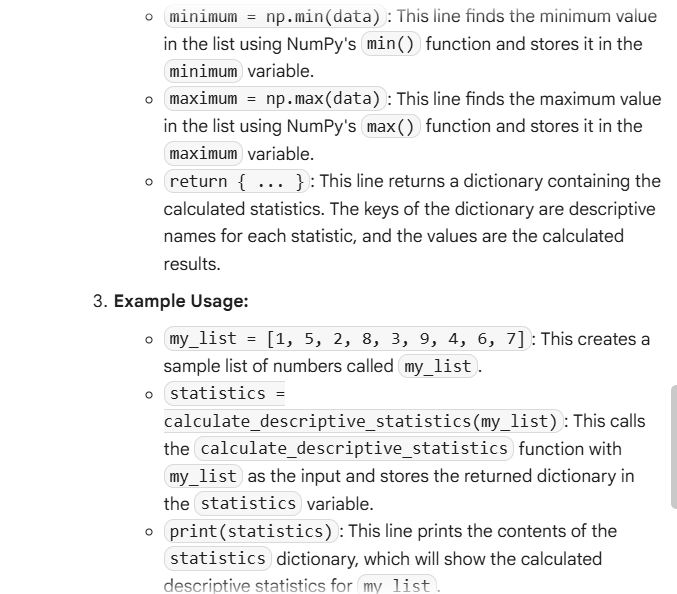
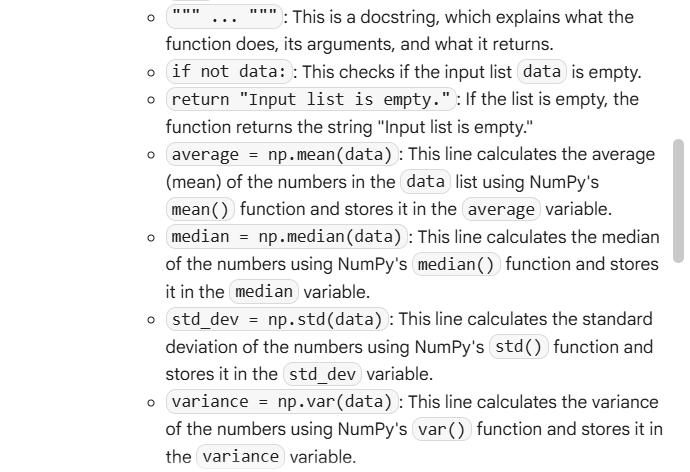
* Do math stuff, then refine it to: # Write a function to calculate average, median, and mode of a list of numbers.

**Code:**

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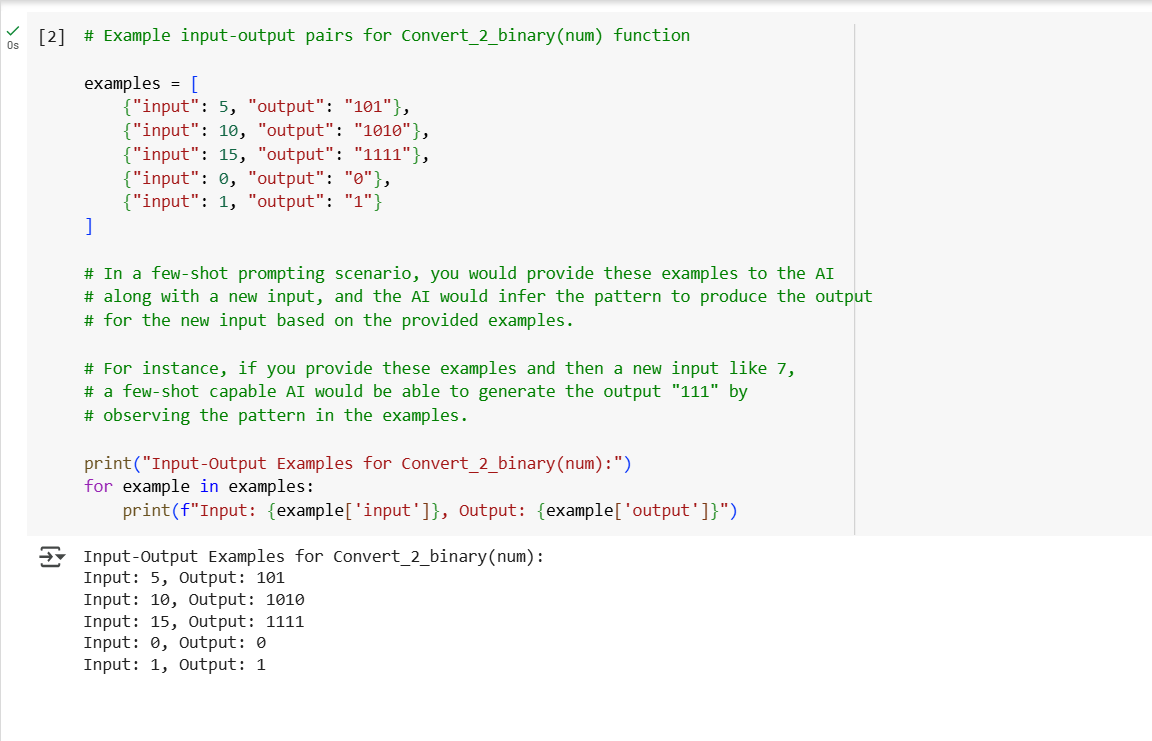
**Explanation:**

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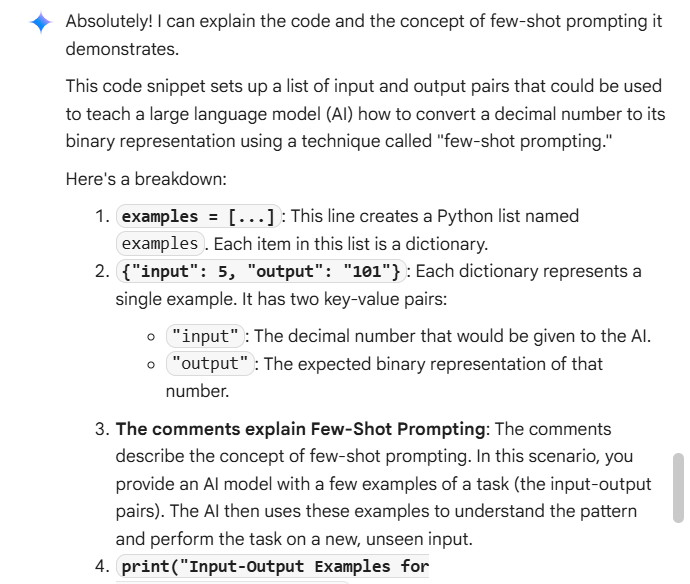
**Task Description#3:**

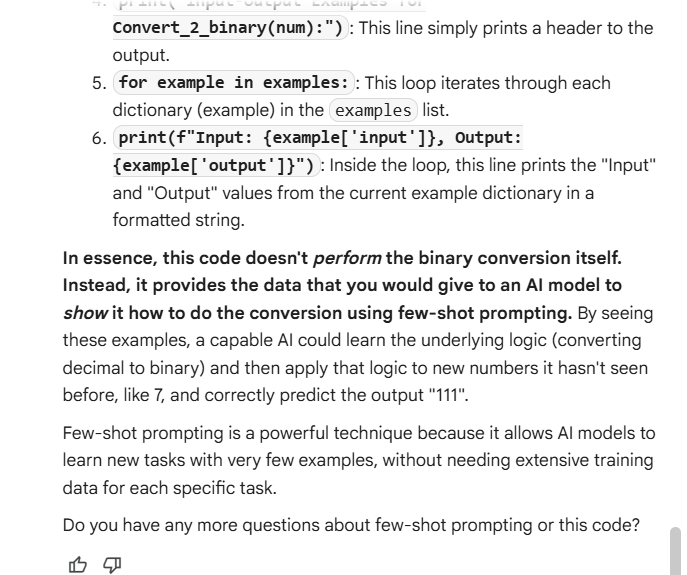
* Provide multiple examples of input-output to the AI for convert\_to\_binary(num) function. Observe how AI uses few-shot prompting to generalize.

**Code:**

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**Explanation:**

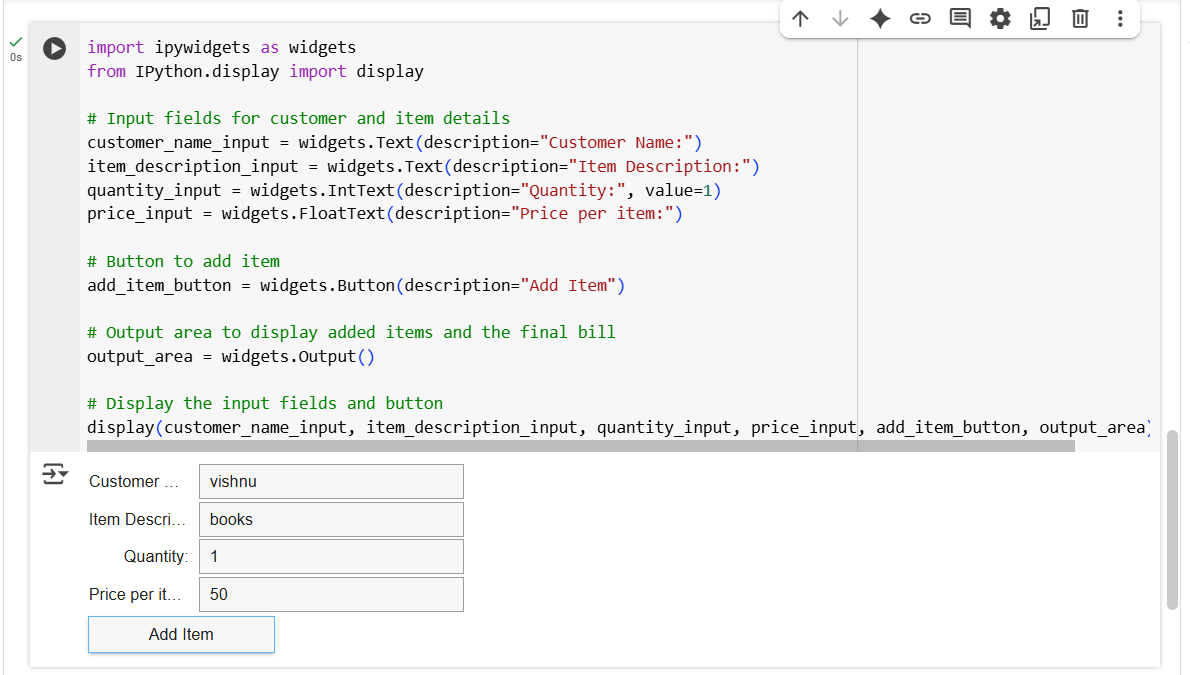
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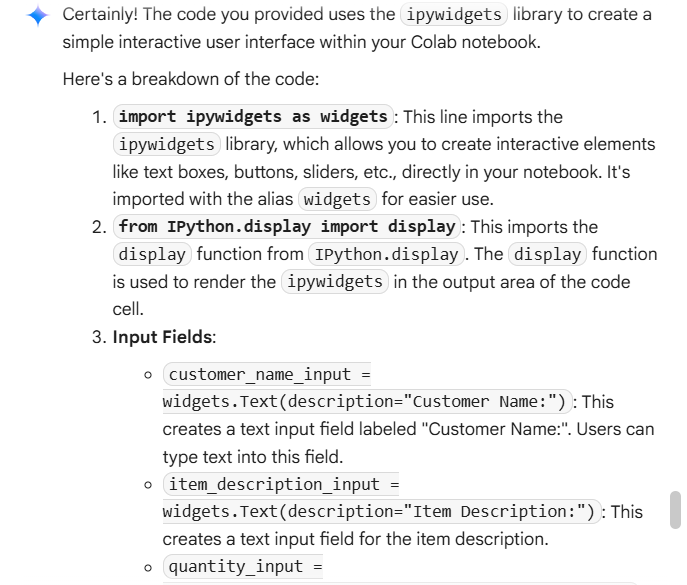
**Task Description#4:**

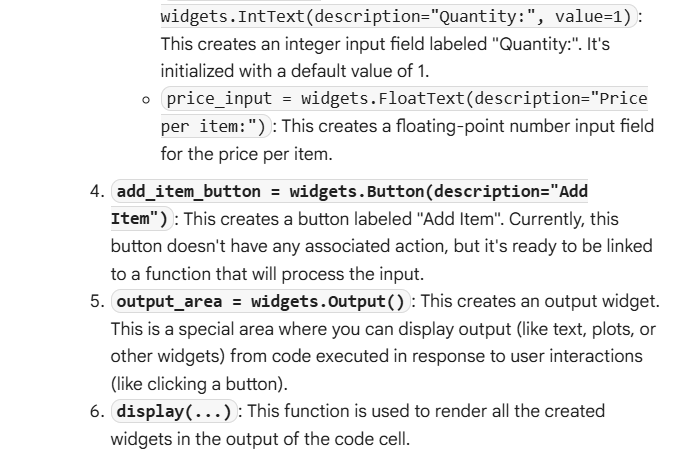
* Create an user interface for an hotel to generate bill based on customer requirements.

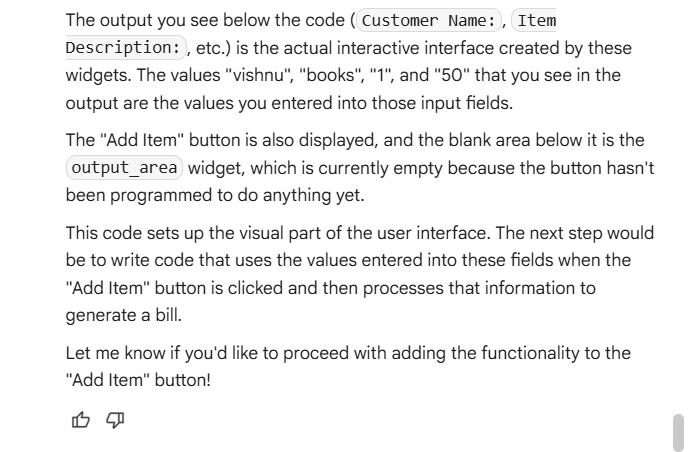
**Code:**



**Explanation:**





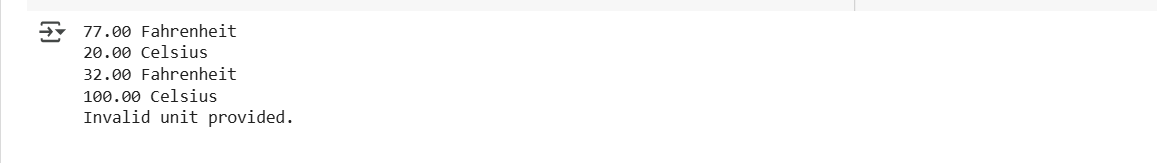


**Task Description#5:**

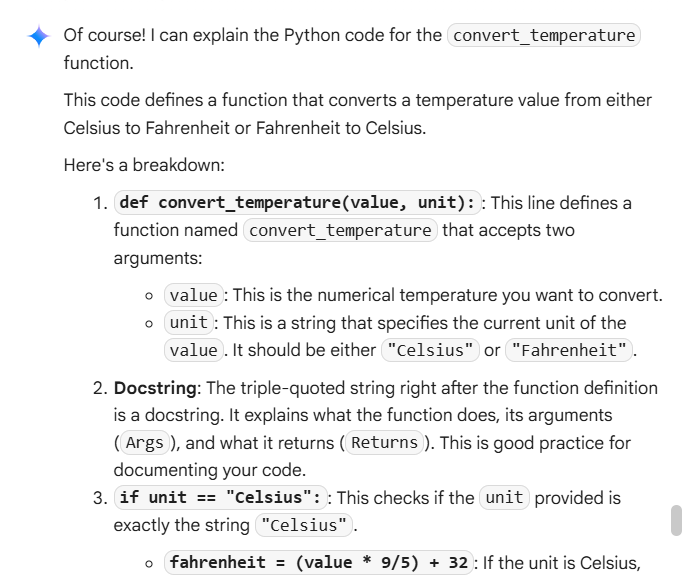
* Analyzing Prompt Specificity: Improving Temperature Conversion Function with Clear Instructions.

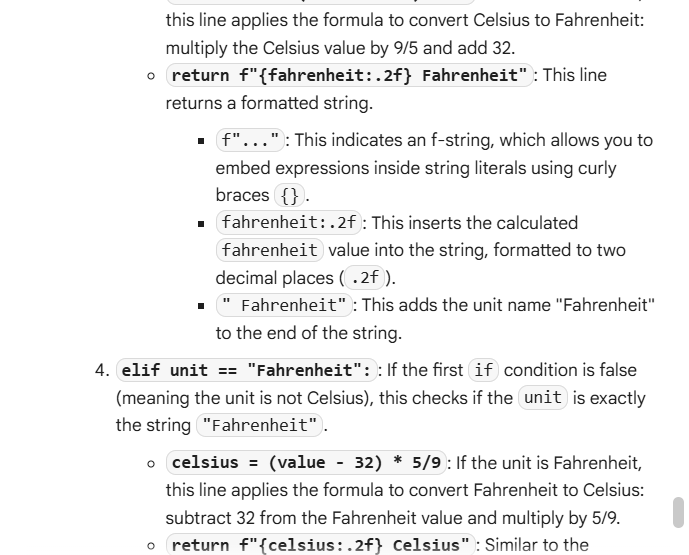
**Code:**

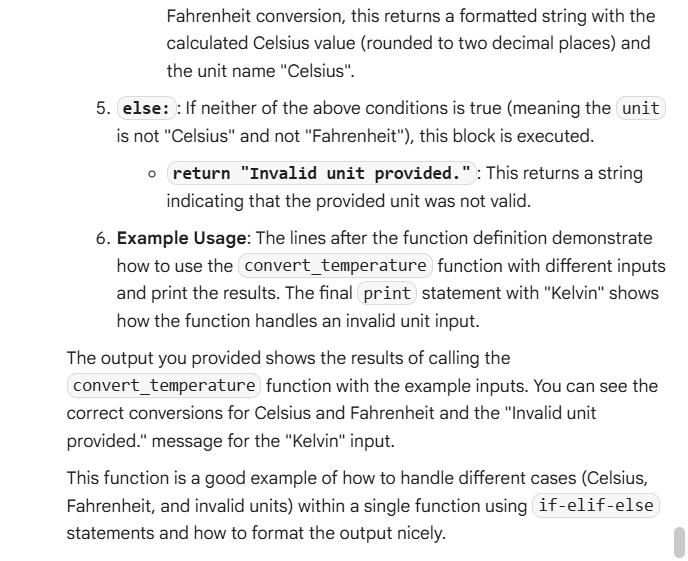
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**Explanation:**

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