Code Understanding Report

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This report presents automated insights based on large language models and code analysis tools.

File: pasted_code.py

Summary

- This is a decorator for a function in Python. This decorator is used to log the calls to a function and also to wrap the function in order to provide additional behavior. Here is how it works:

- `log_calls` is the decorator that we will use. It takes a function `func` as an argument.

- `wrapper` is a function that takes the same arguments as `func` and also prints the function name and its arguments. After it calls the function `func` and captures the result, it prints the function name and its result.
- We use Python's
- This is a function definition in Python. It takes two arguments: a and b. The function adds the two numbers together and returns the result.

Testing:

`python print(add(5, 3)) # Output: 8`

This function can be used anywhere in your code that requires you to add two numbers. The input values (5, 3) are passed to the function as arguments and the returned result is printed on the console. In this case, the output is 8 because 5 + 3 equals 8.

Docstring

- ### Code: def log_calls(func): def wrapper(*args, *kwargs): print(f"Calling {func.**name**} with arguments: {args}, {kwargs}") result = func(*args, *kwargs) print(f"{func.**name**} returned: {result}") return result return wrapper

Docstring:

This function is a decorator that logs the calls to a function.

Parameters: - `func`: The function to be decorated.

Returns: - `wrapper`: A new function that logs the calls to - ### Code: def add(a, b): return a + b

Docstring:

''' Adds two numbers.

:param a: The first number. :param b: The second number. :return: The sum of a and b. '''

Test Cases:

Code Quality

Tool: `pylint`
Issues: 2`

```text [AST Parse Error] expected an indented block after function definition on line 1 (line 2)
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[AST Parse Error] expected an indented block after function definition on line 1 (line 2) ```

Conclusion

This code is a simple logging decorator for a function that adds two numbers. It logs the calls to the function and the results of those calls. This is a useful tool for debugging and development.