Code Review Report

Language: python

Score: 65 (Average)

Suggestions

- ■ Add a docstring to function: `def calculate():` (low impact)
- ■ Add a docstring to function: `def is_even(n):` (low impact)
- ■ Add a docstring to function: `def add(a, b):` (low impact)
- ■ Add a docstring to function: `def MyFunction():` (low impact)
- ■ Rename variable or function to snake_case for consistency.
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Warnings

- ■■ Unused import detected: math (low impact)
- ■■ Unused import detected: os (low impact)
- ■■ Use consistent indentation of 4 spaces. (medium impact)

Optimizations

- ■ Nested loops detected — consider optimizing or using vectorized operations (high impact)
- ■ Magic number `10` found — define as constant or config (low impact)

Detected Bugs

- {'message': "Avoid using 'sum' as a variable (shadows built-in).", 'severity': 'medium', 'tip': "Using 'sum' a
- {'message': "Consider removing unused 'pass' statement (possible dead code).", 'severity': 'low', 'tip': "'p

Submitted Code:

```
# BAD STYLE + BUGS + UNUSED IMPORT + LOGIC + DOCSTRING + MAGIC NUMBER
import math
import os

def calculate():
    pass

sum = 10  # shadows built-in

def is_even(n):
    # Missing docstring
    if n % 2 == 1:
        return True
    else:
        return False

def add(a, b):
    return a + b
```

```python
result = []
for i in range(5):
    for j in range(5):  # nested loop
        result.append(i * j * 42)  # repeated computation + magic number

for i in range(10):
    x = (2 + 3) * i  # invariant expression inside loop

def MyFunction():
  print("bad indent")  # style error
```