Assignment-9

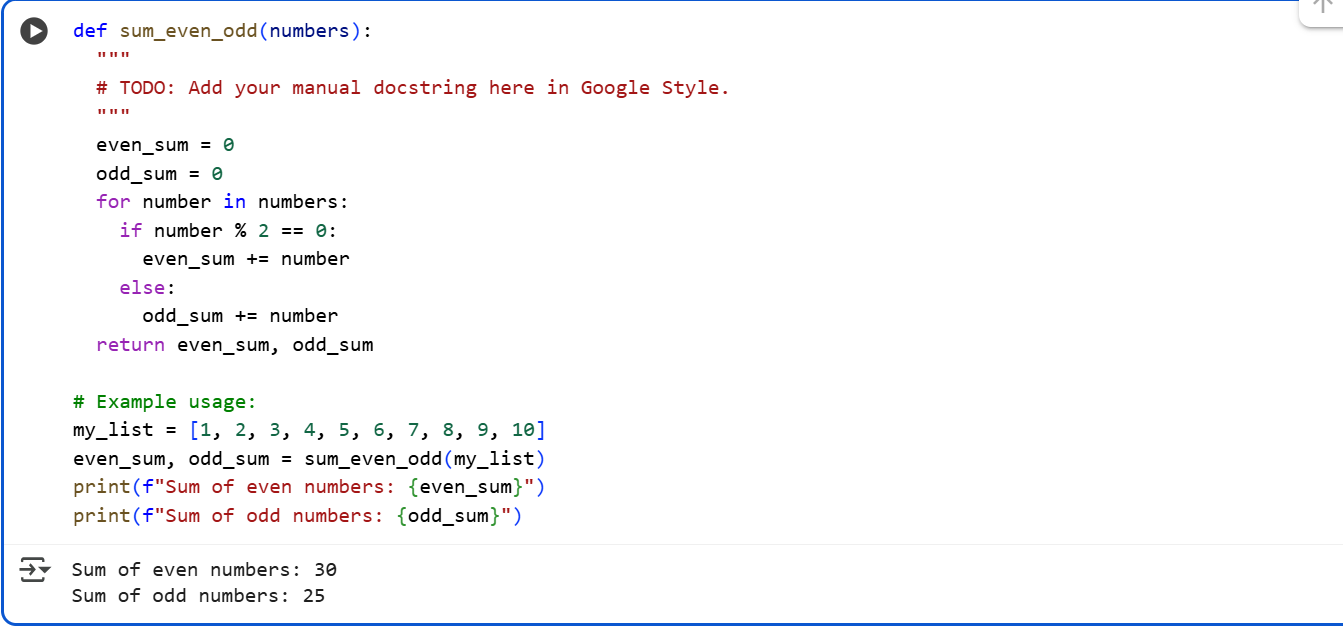
Task-1

**1 Basic Docstring Generation**

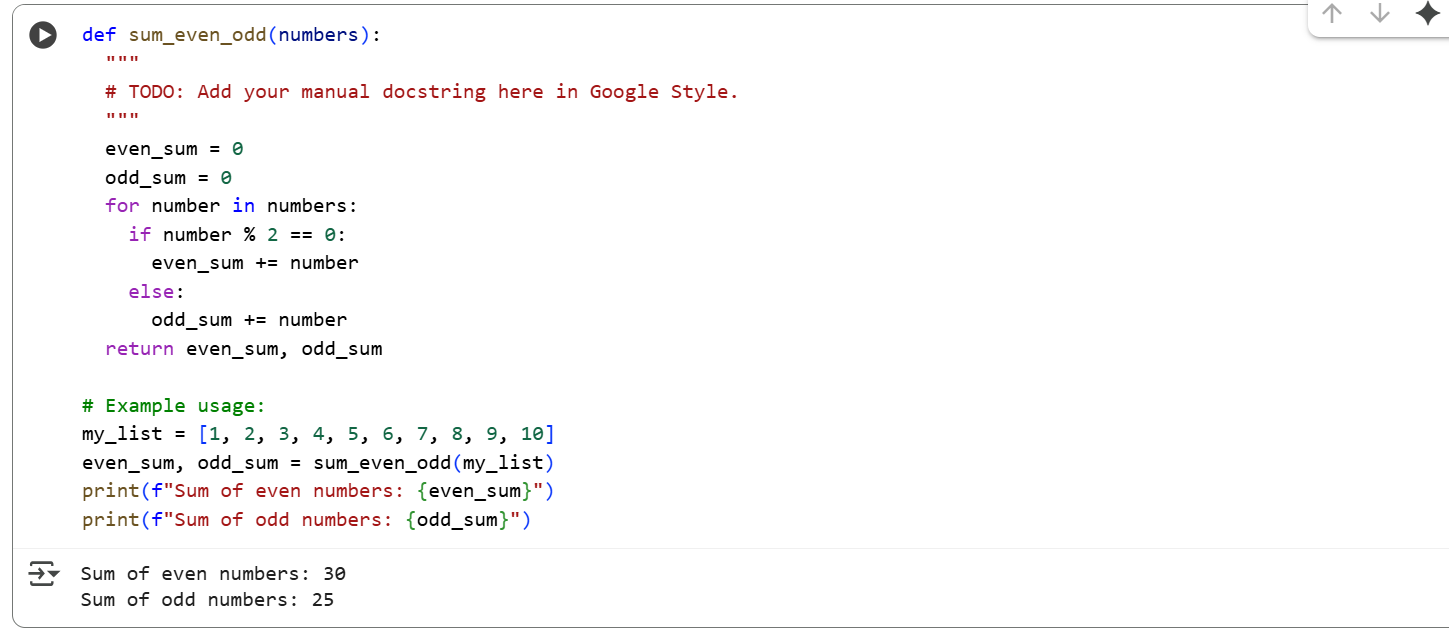
* Write python function to return sum of even and odd numbers in the given list.
* Incorporate manual **docstring** in code with Google Style
* Use an AI-assisted tool (e.g., Copilot, Cursor AI) to generate a docstring describing the function.
* Compare the AI-generated docstring with your manually written one.

**Expected Outcome#1:** Students understand how AI can produce function-level documentation.

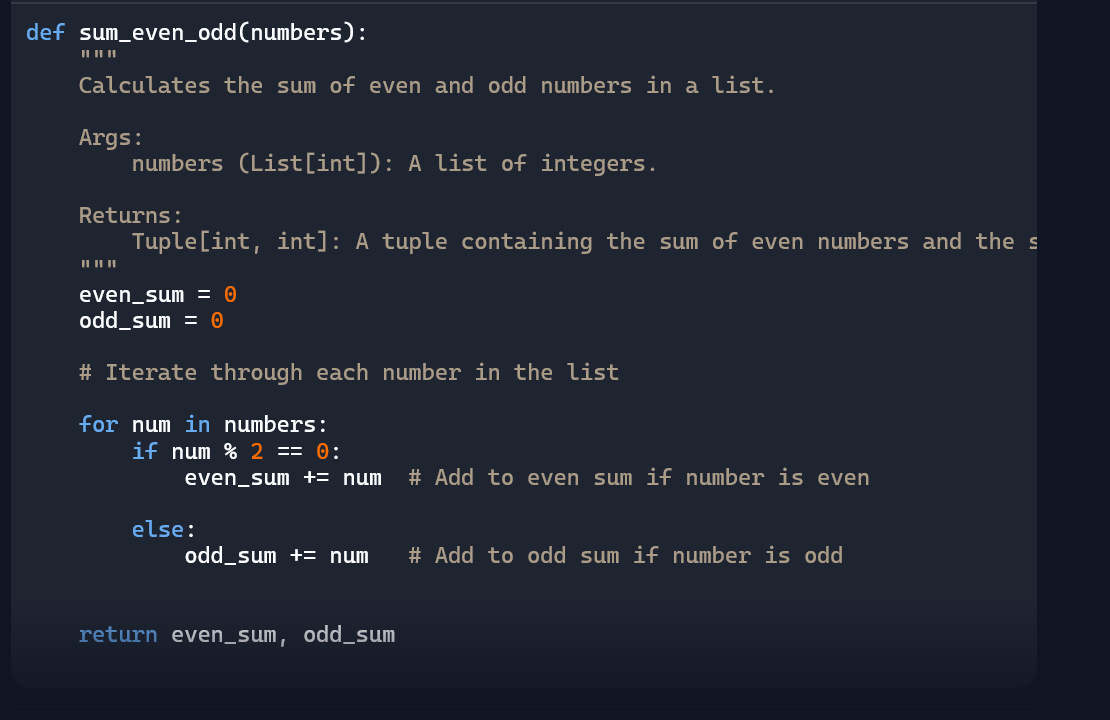
With comments



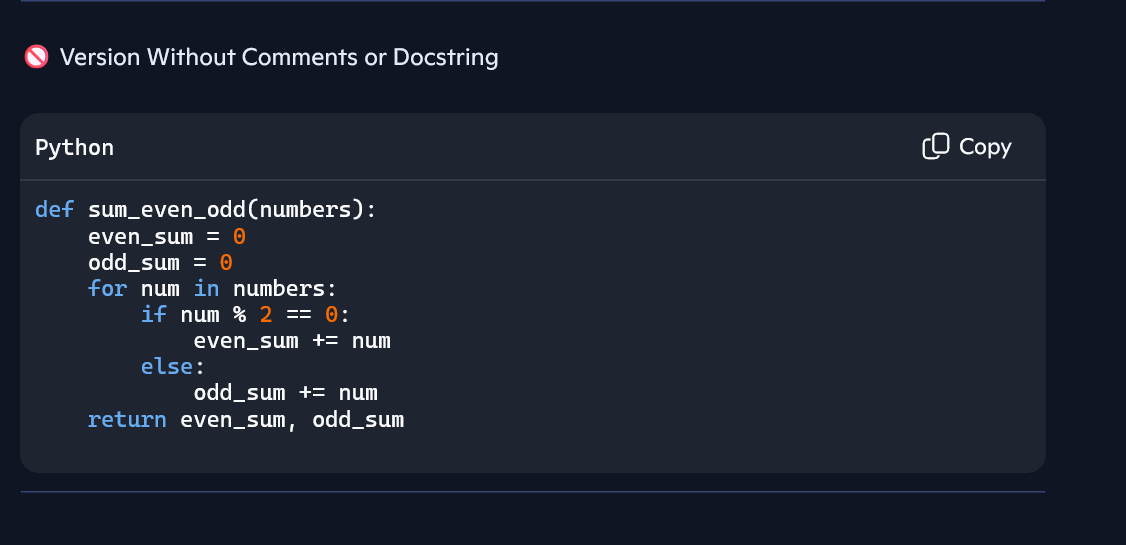
Without comments



With comments



Without comments



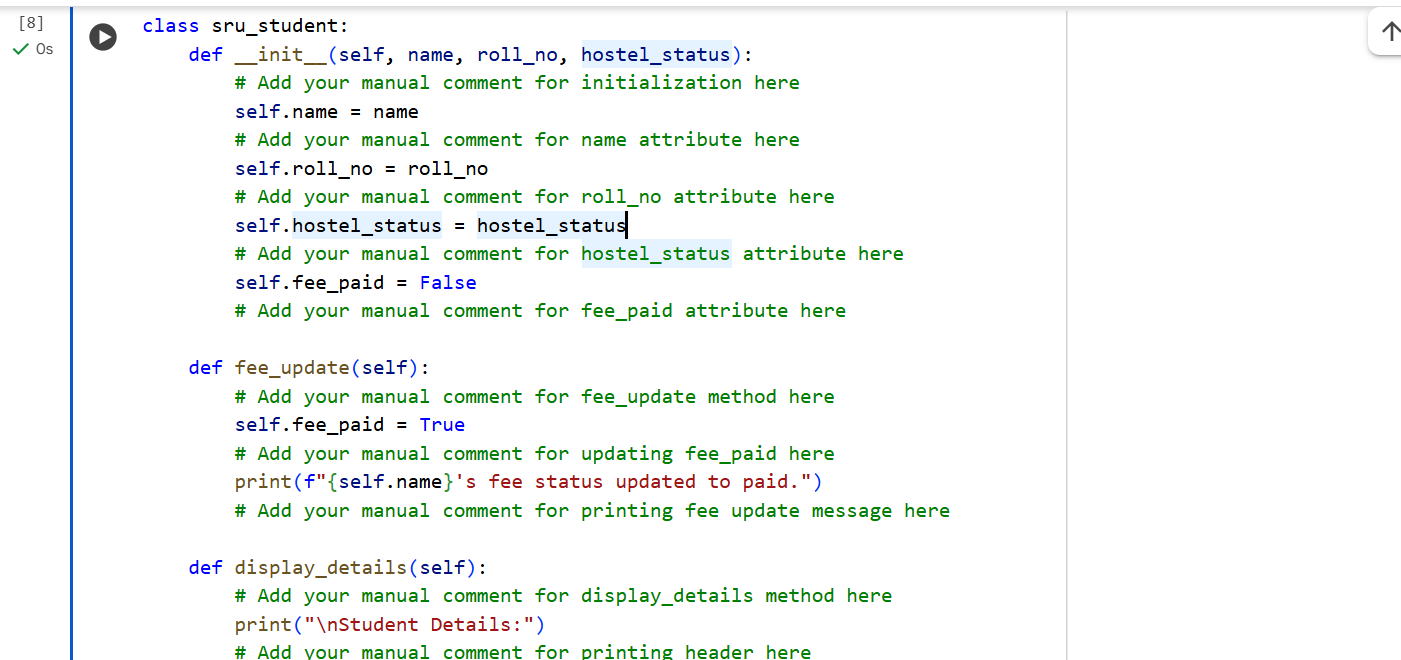
Task-2

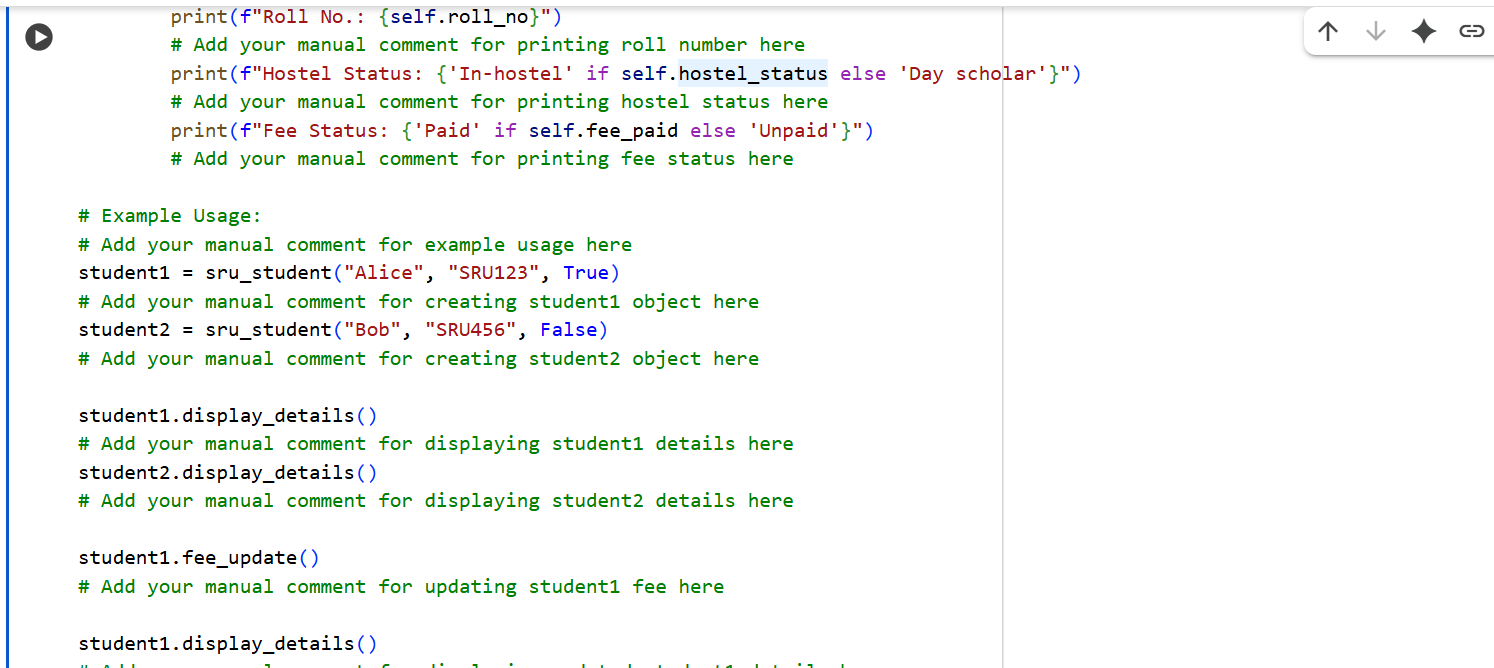
**Automatic Inline Comments**

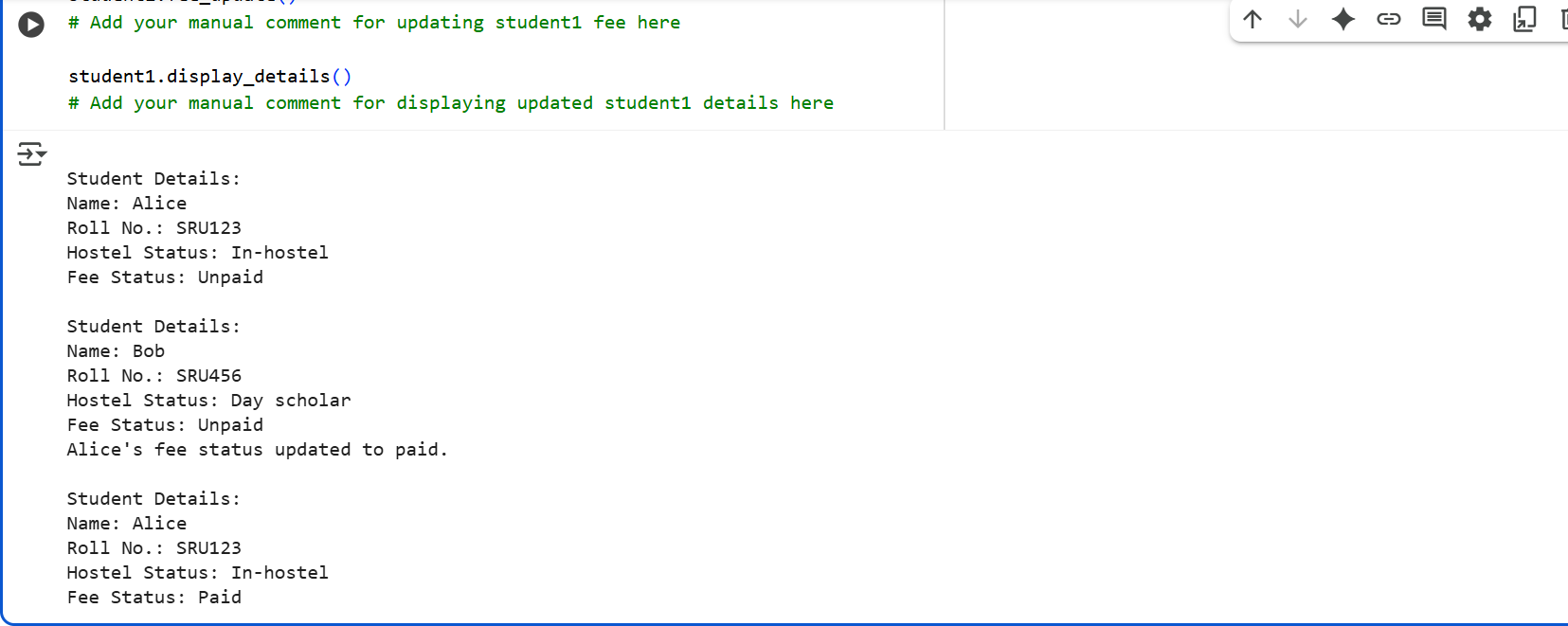
* Write python program for **sru\_student** class with attributes like name, roll no., hostel\_status and **fee\_update** method and **display\_details** method.
* Write comments manually for each line/code block
* Ask an AI tool to add inline comments explaining each line/step.
* Compare the AI-generated comments with your manually written one.

**Expected Output#2:** Students critically analyze AI-generated code comments.

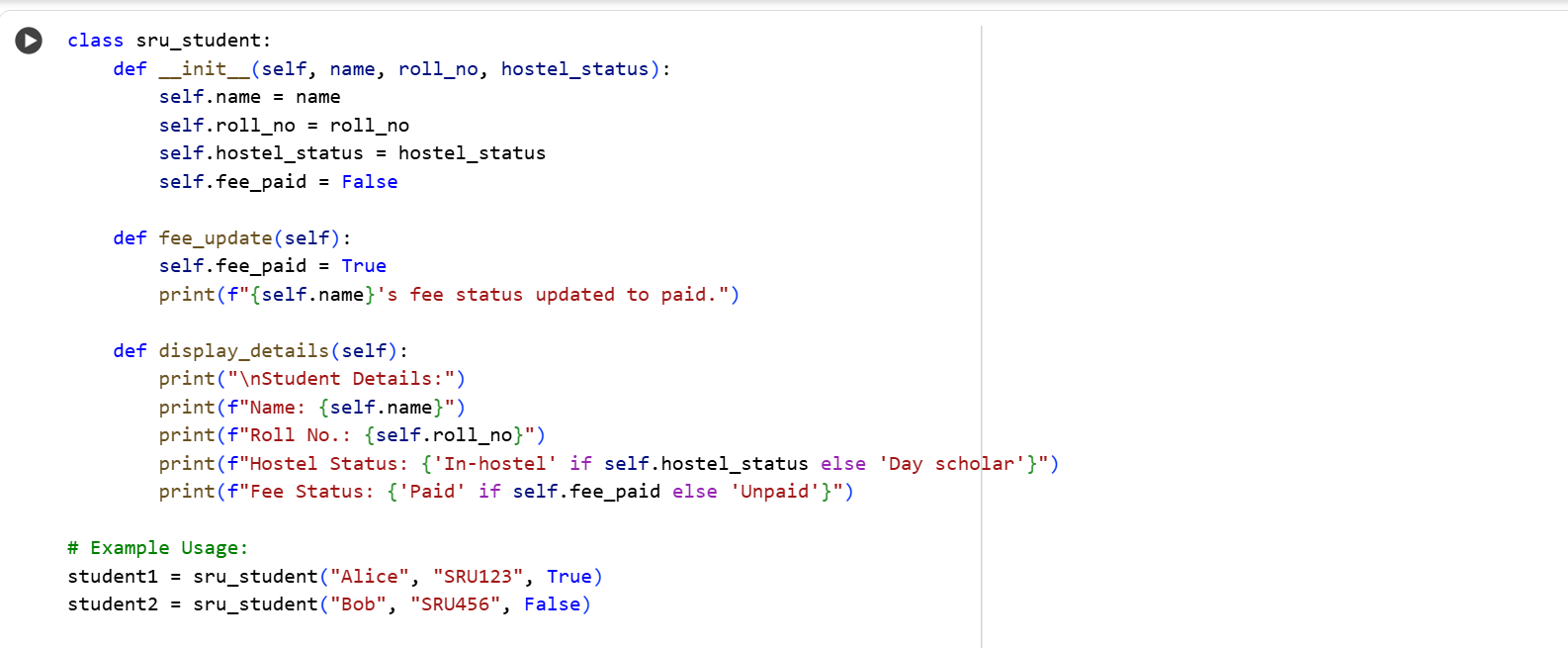
With comments



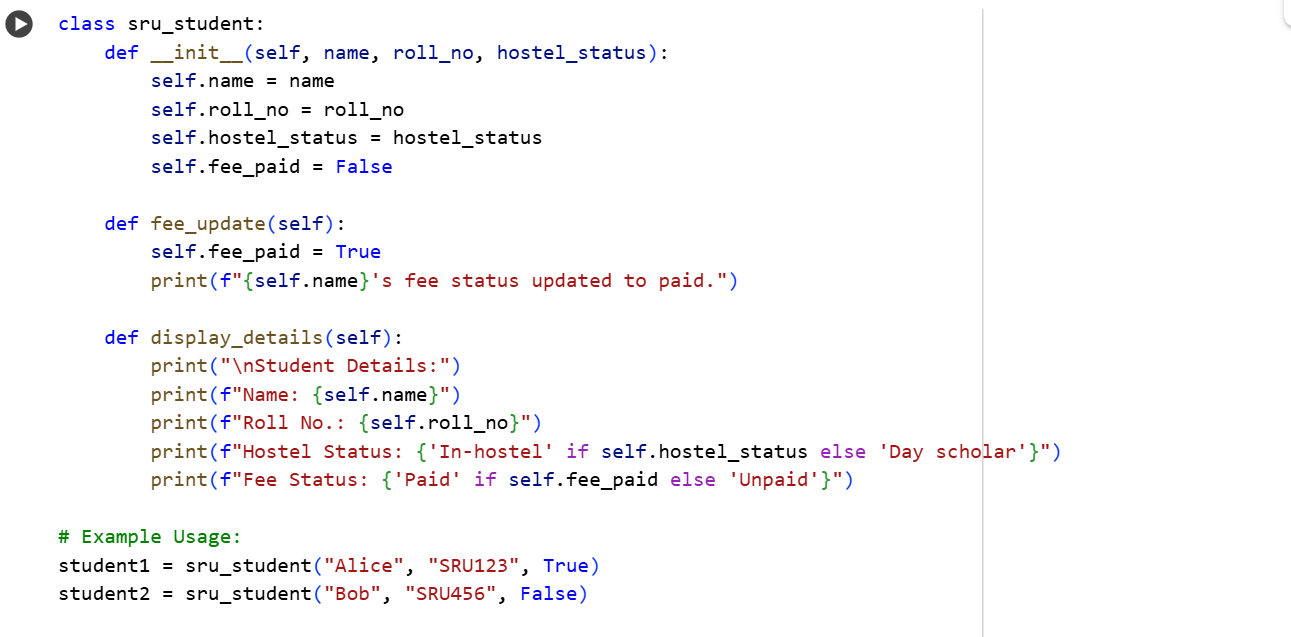




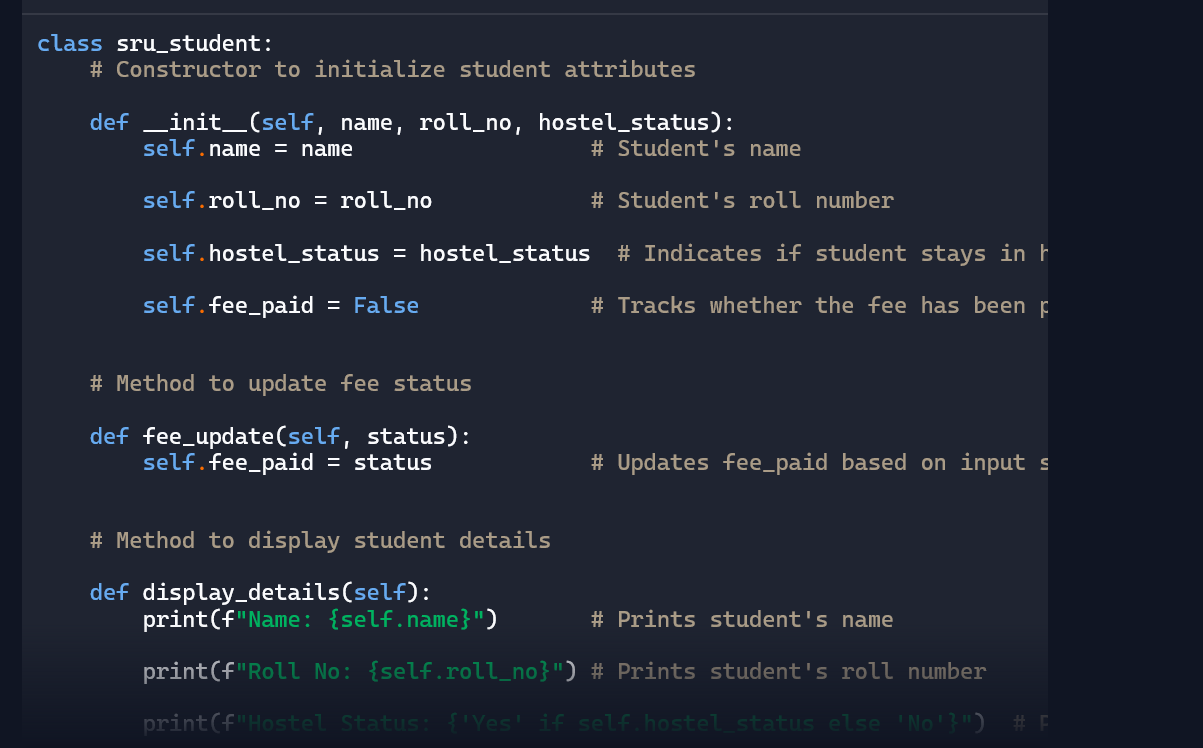
Without comments:

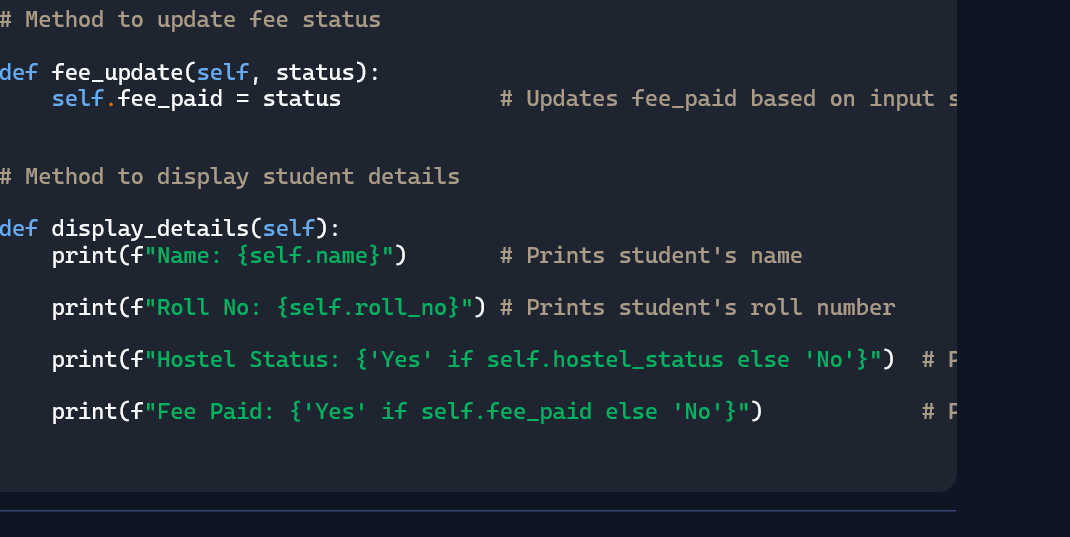




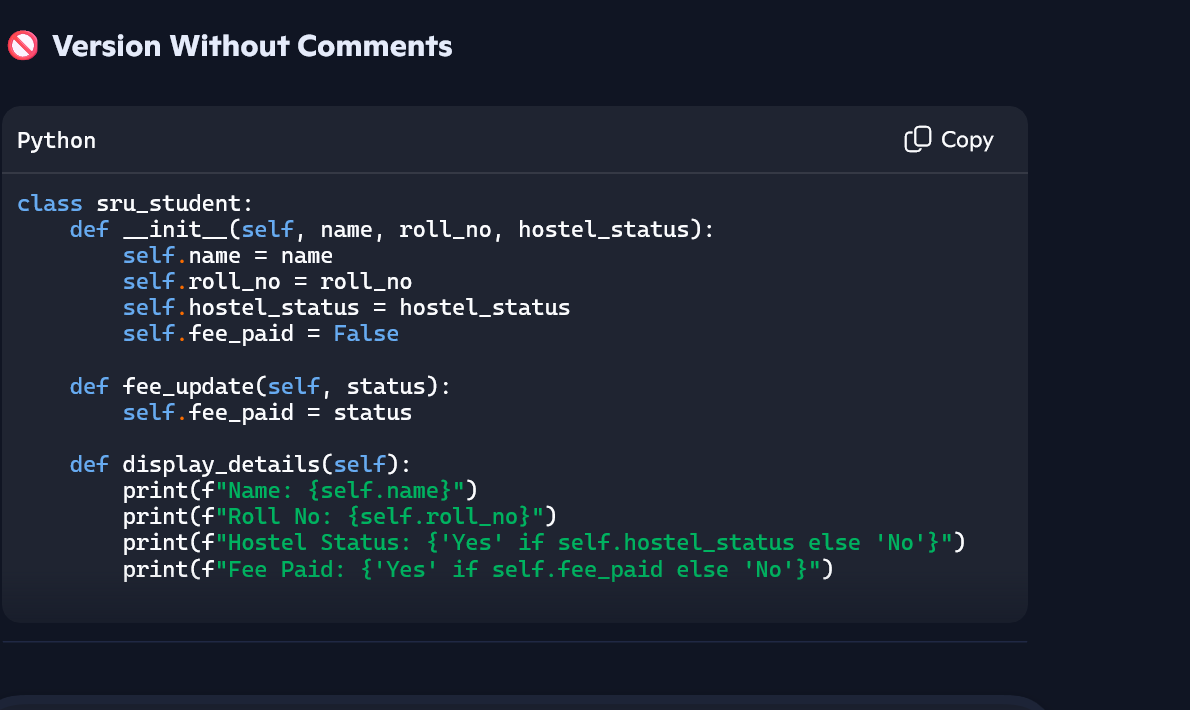


With Comments:





Without comments:

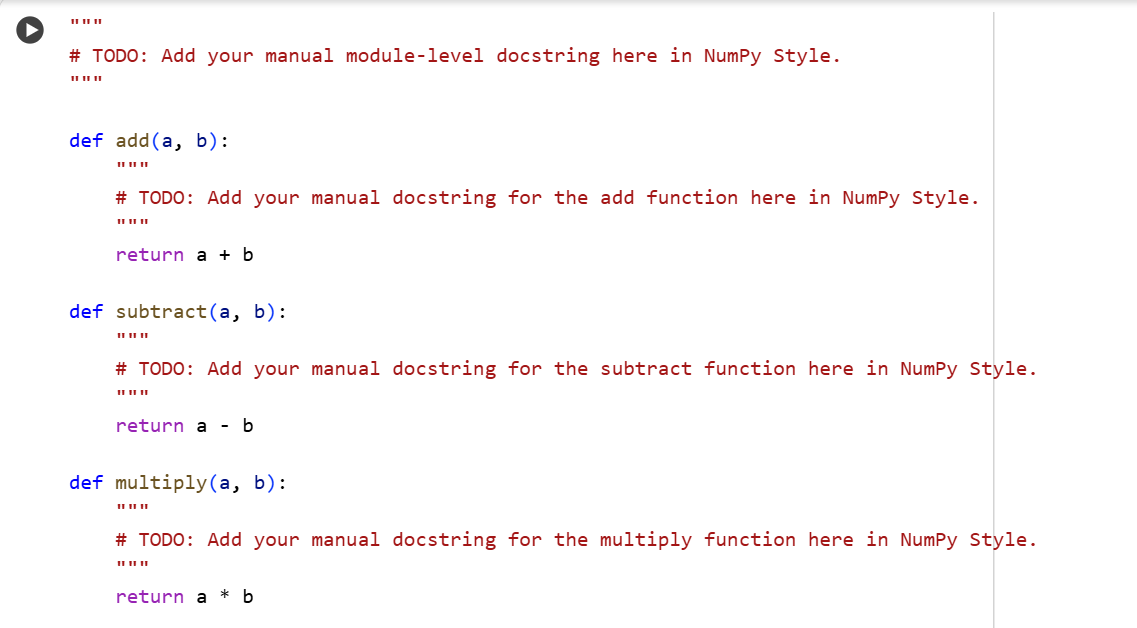


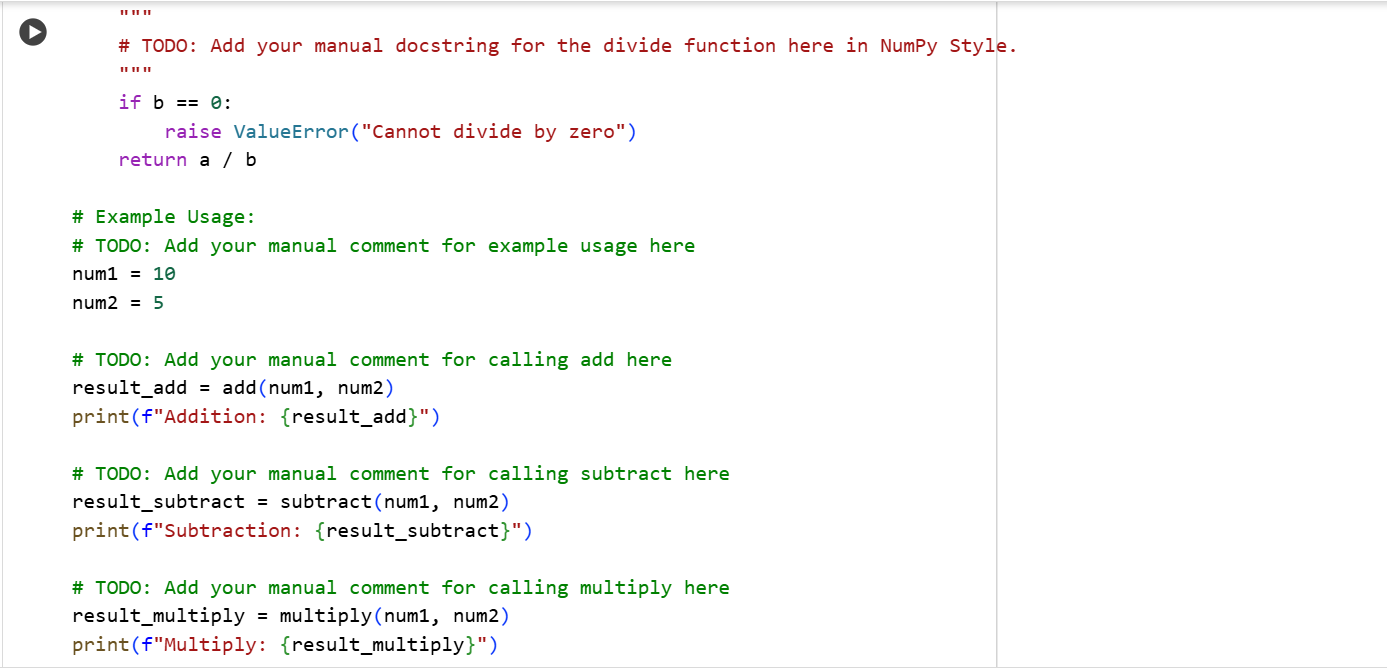
Task-3

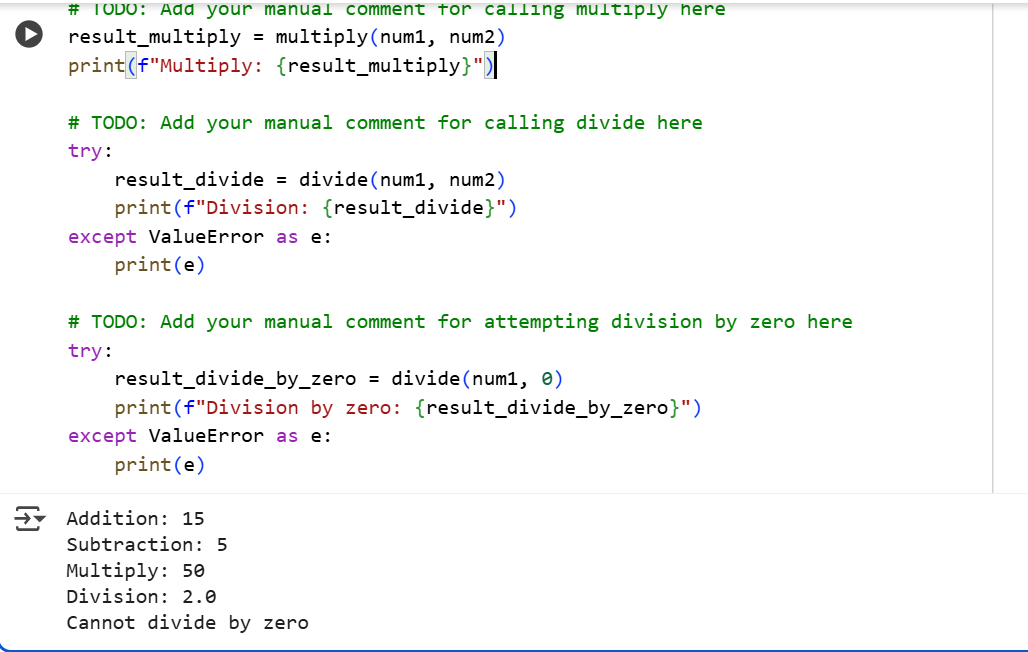
* Write a Python script with 3–4 functions (e.g., calculator: add, subtract, multiply, divide).
* Incorporate manual **docstring** in code with NumPy Style
* Use AI assistance to generate a module-level docstring + individual function docstrings.
* Compare the AI-generated docstring with your manually written one.

**Expected Output#3:** Students learn structured documentation for multi-function scripts

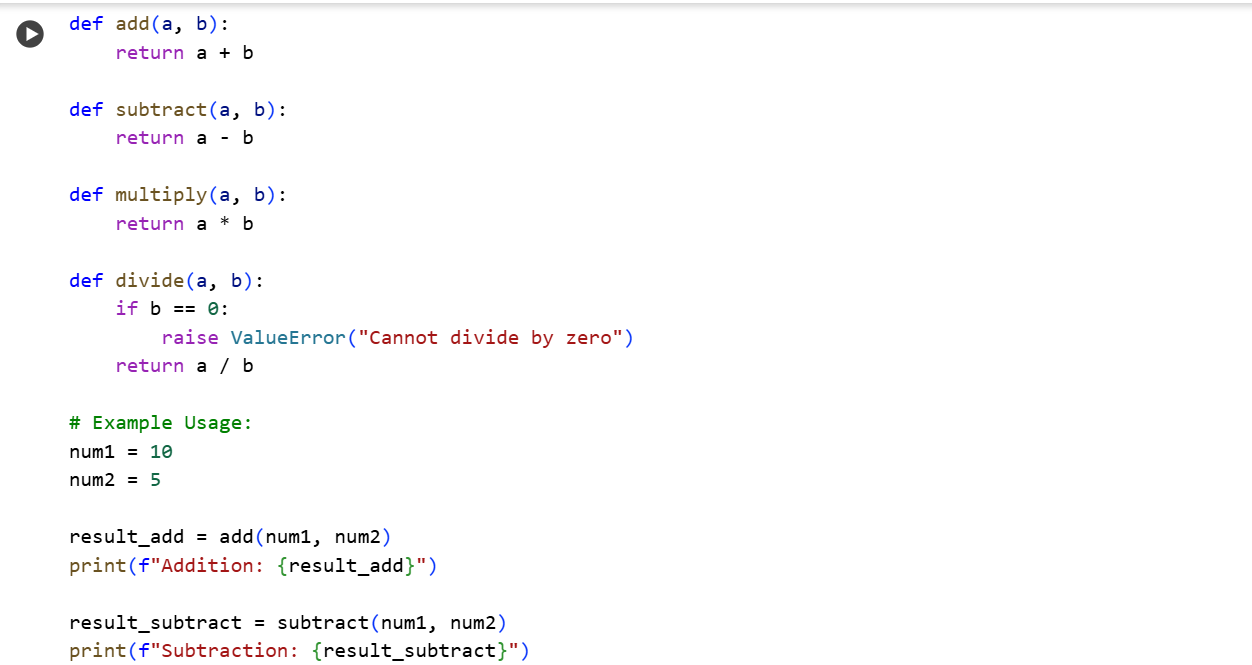
With comments



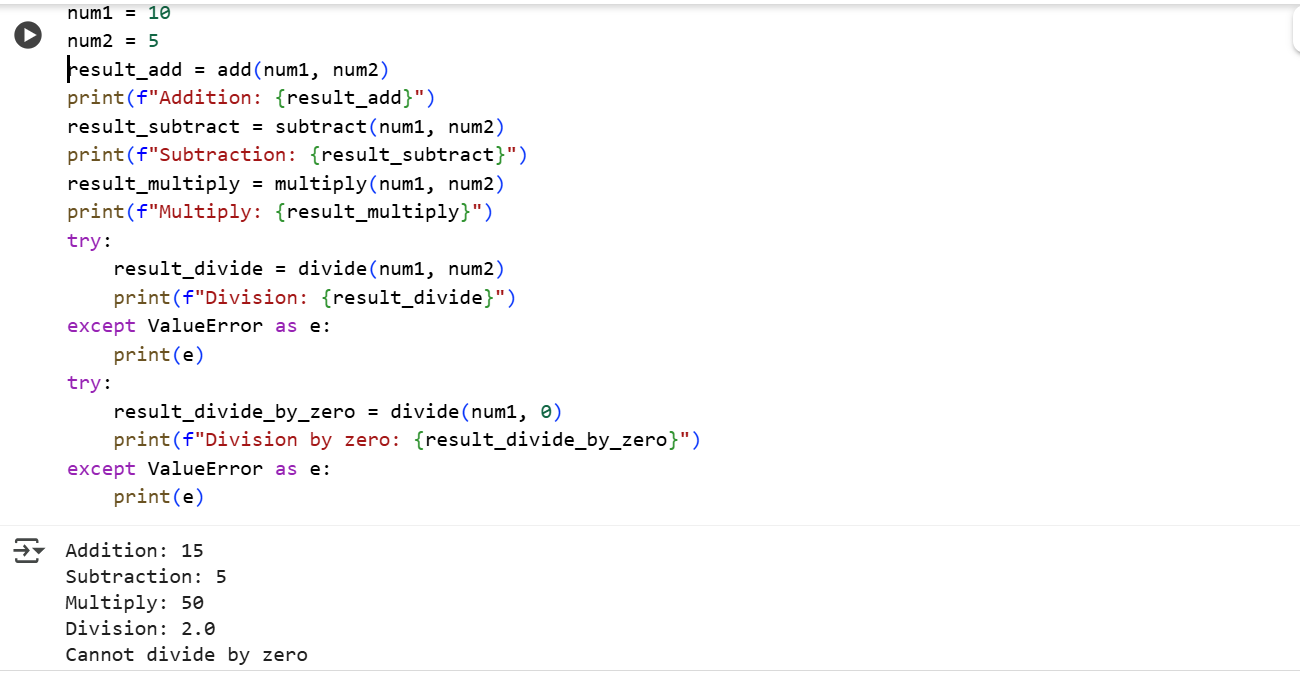




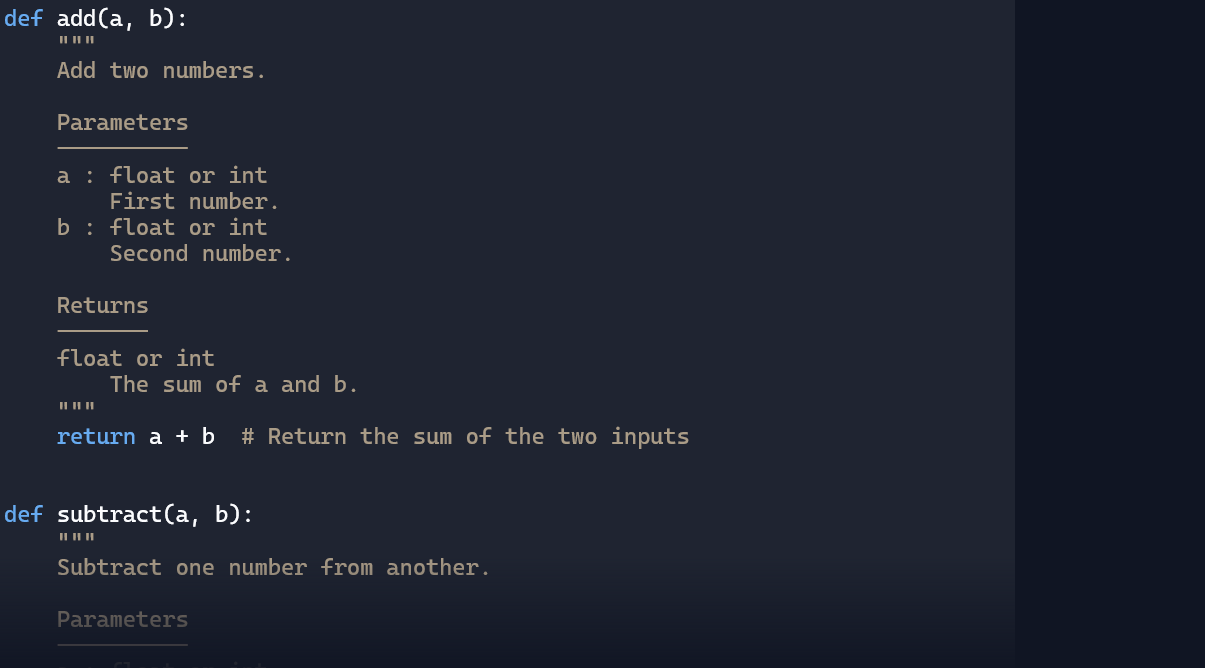
Without comments

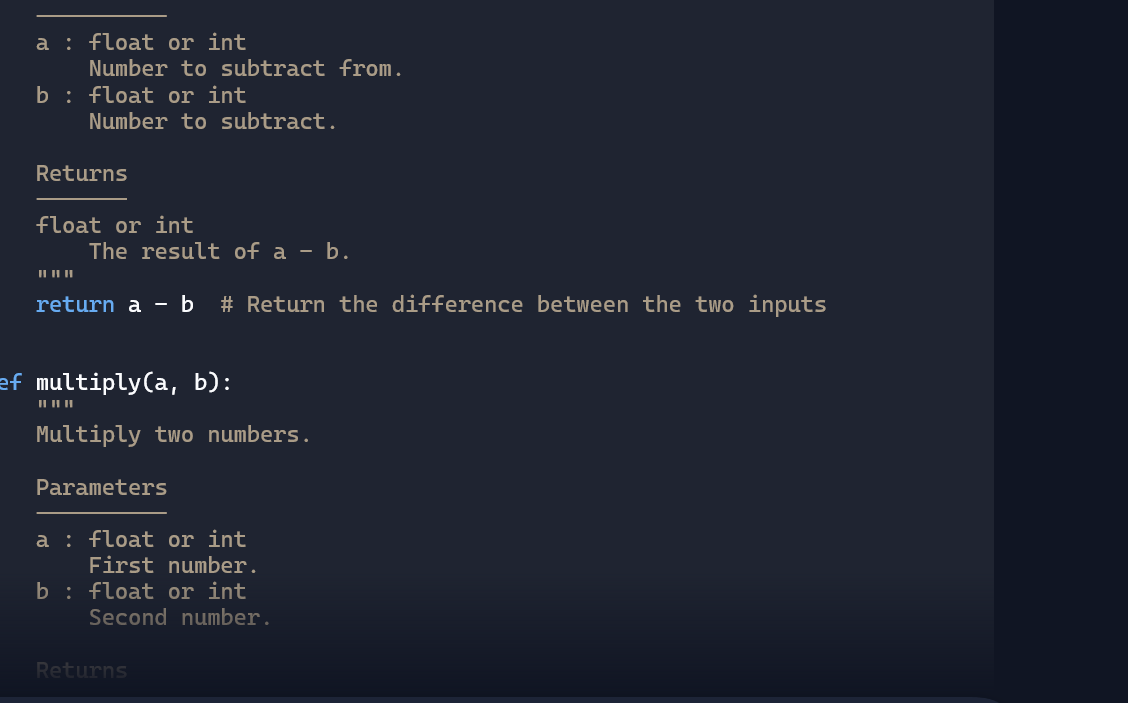


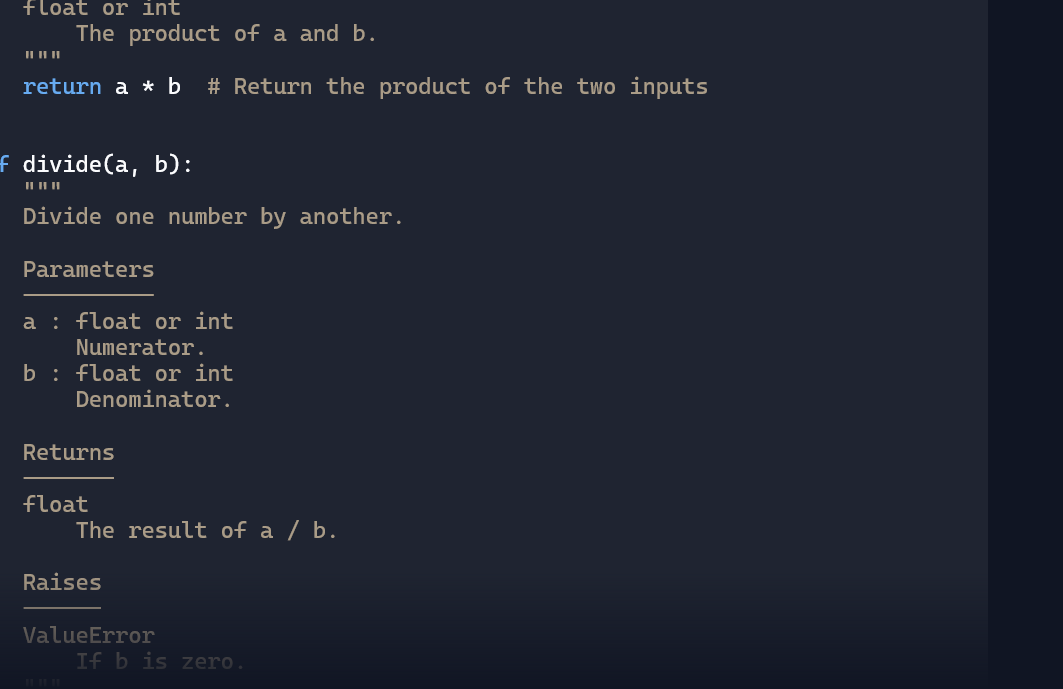
Without comments

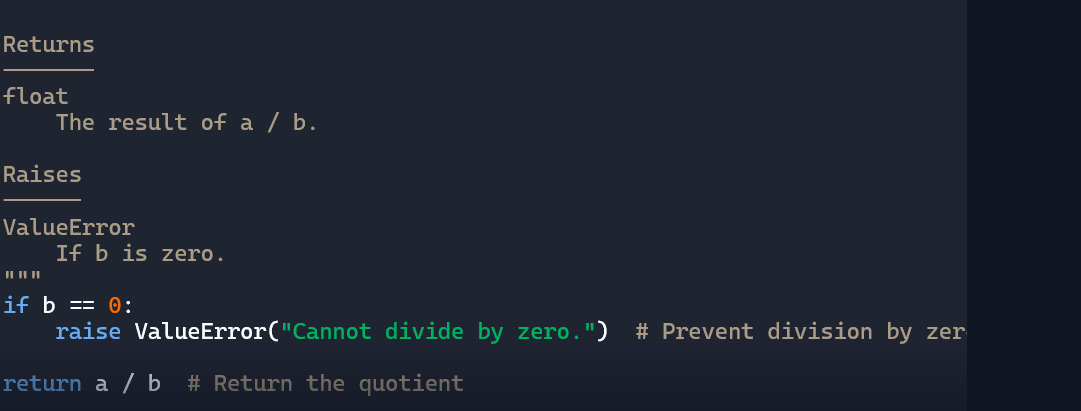


With comments









Without comments

