AI-ASSISTED CODING-ASSIGNMENT-10.3

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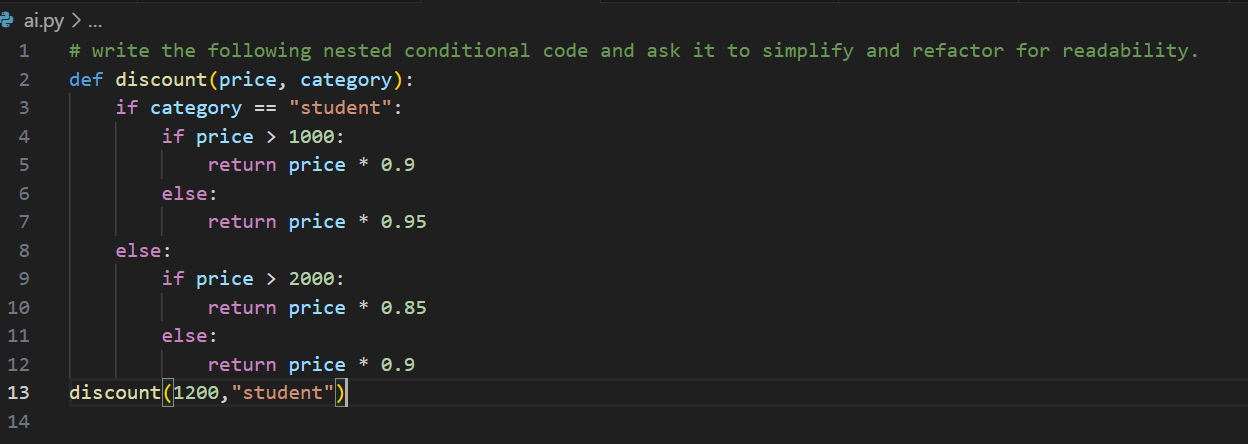
TASK-1:

Provide AI with the following nested conditional code and ask it to simplify and refactor for readability

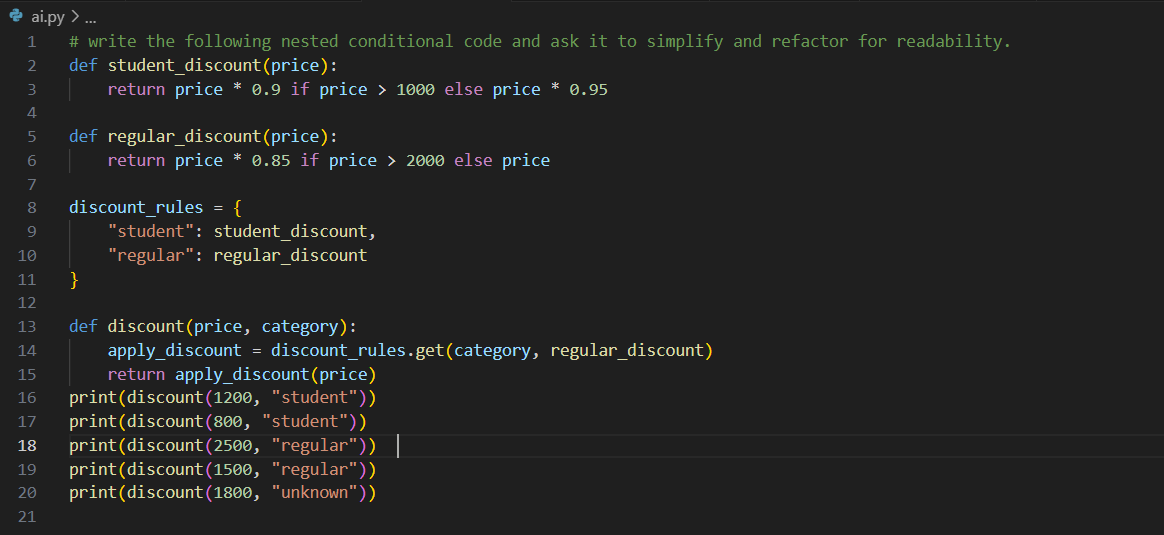
PROMPT

# write the following nested conditional code and ask it to simplify and refactor for readability.

Nested code:



Output code:



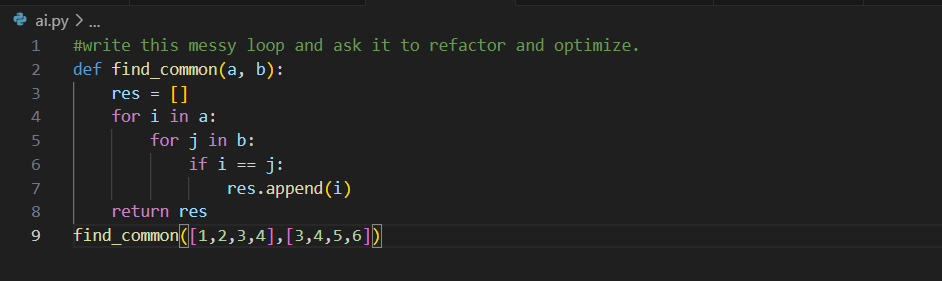
TASK-2 :

Give AI this messy loop and ask it to refactor and optimize.

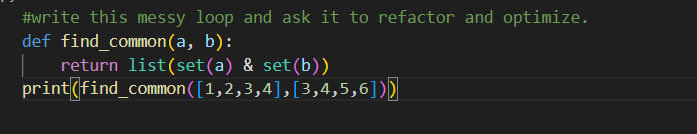
PROMPT

#write this messy loop and ask it to refactor and optimize.

Messy code:



Output code :



TASK-3:

Provide this class with poor readability and ask AI to improve:

• Naming conventions

• Encapsulation

• Readability & maintainability

PROMPT

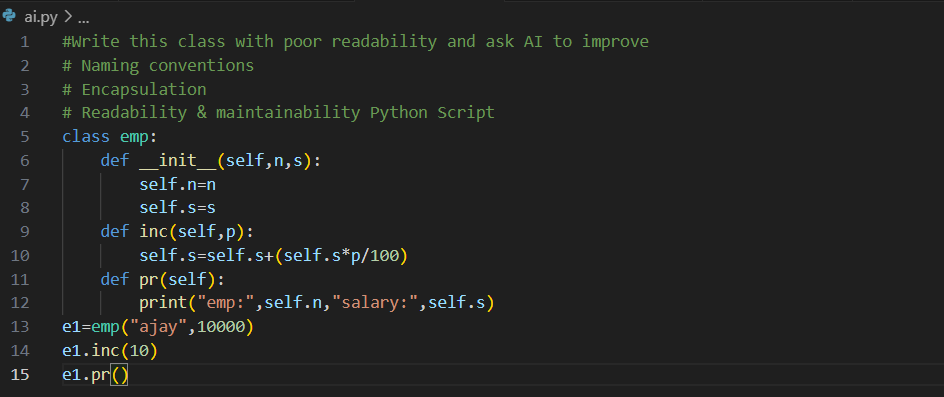
#Write this class with poor readability and ask AI to improve

# Naming conventions

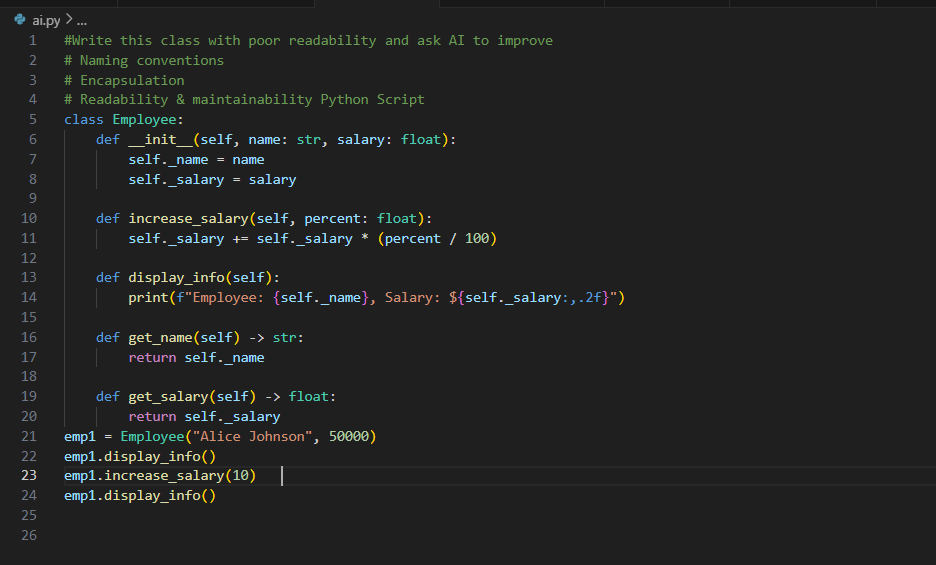
# Encapsulation

# Readability & maintainability

Poor readability code:



Output code :



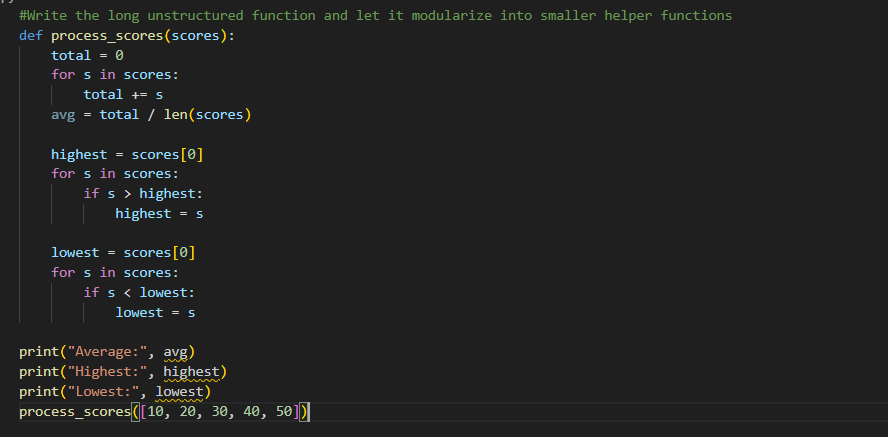
TASK-4 :

Give AI this long unstructured function and let it modularize into smaller helper functions

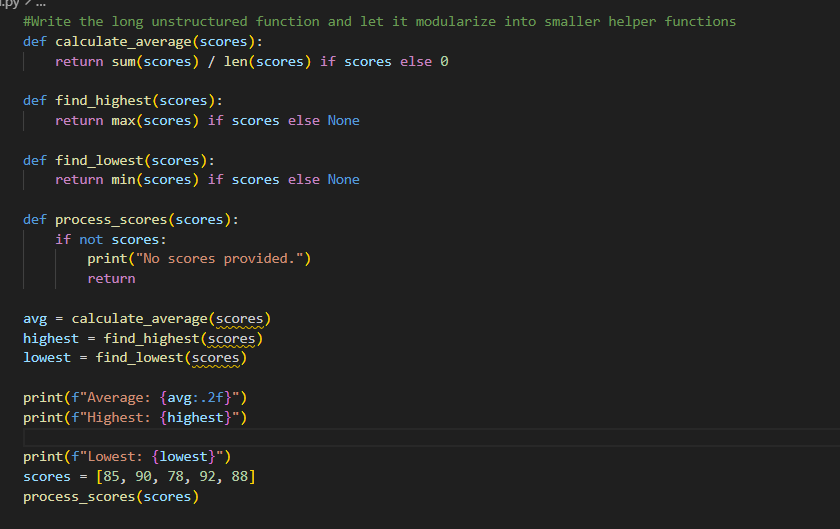
Prompt

# Write the long unstructured function and let it modularize into smaller helper functions

Unstructured function :



Output code :



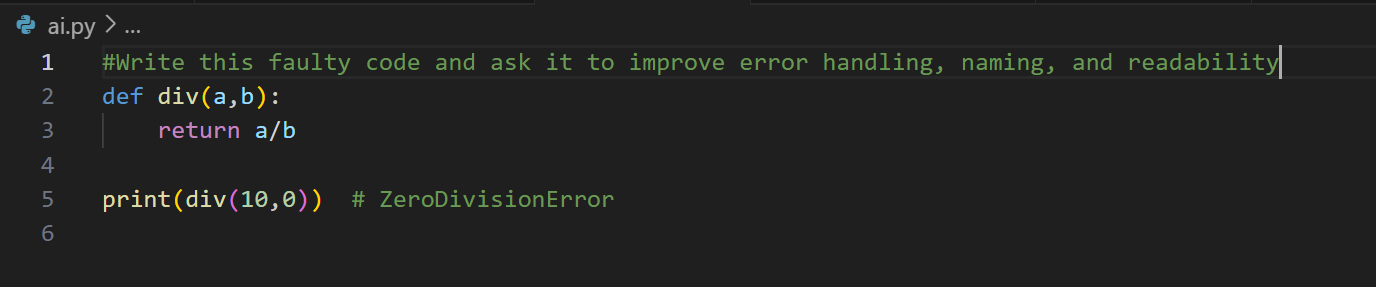
TASK-5 :

Provide AI with this faulty code and ask it to improve error handling, naming, and readability

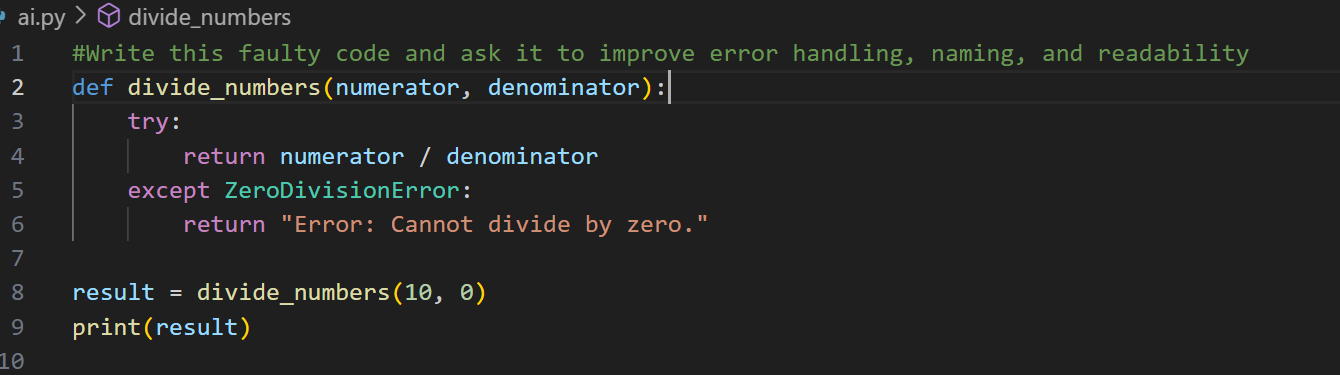
PROMPT

#Write this faulty code and ask it to improve error handling, naming, and readability

Faulty code :



Output code :



TASK-6:

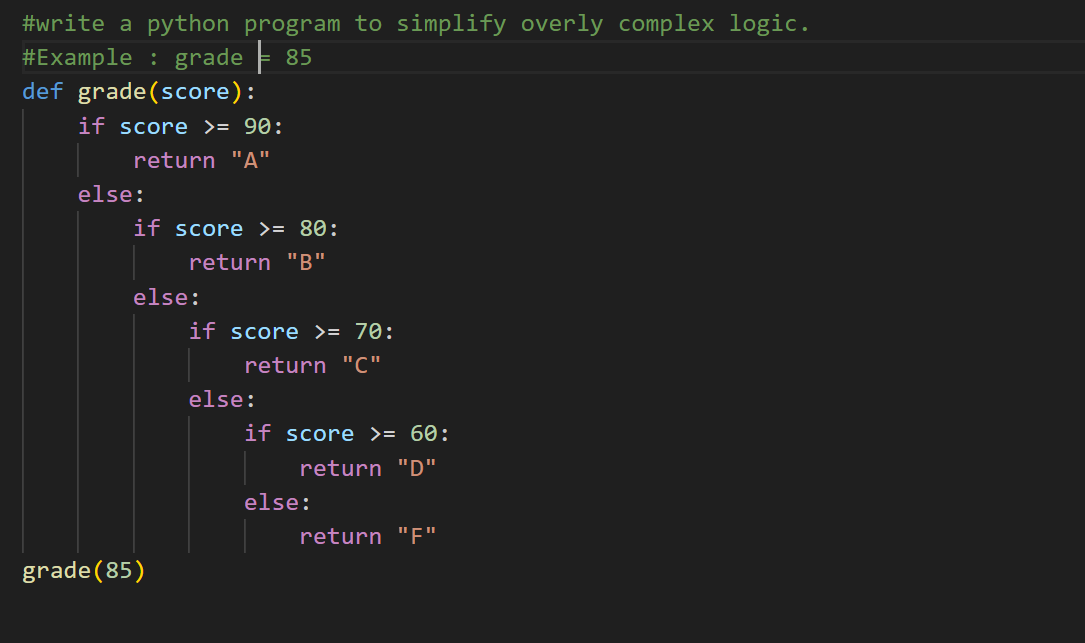
Use AI to simplify overly complex logic.  
Sample Input Code

PROMPT

# write a python program to simplify overly complex logic.  
Sample Input Code

#Example : grade = 85

Complex logic :



Output code :

