Ai Assisted Coding

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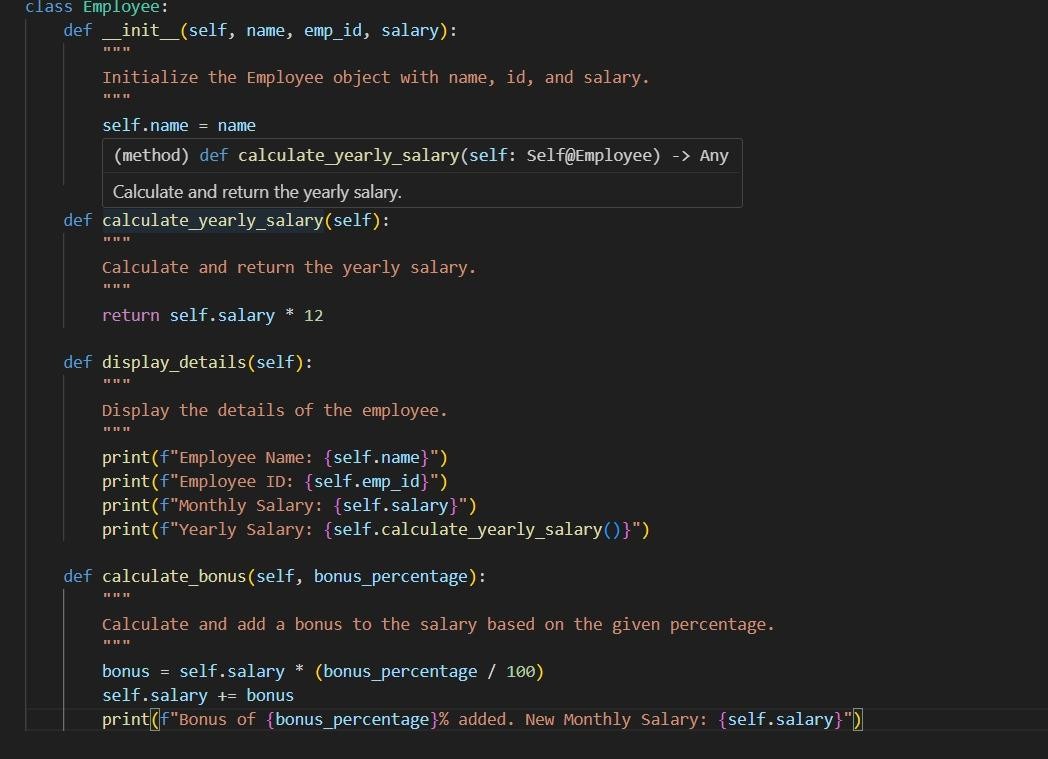
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BATCH-12

Task -1:

#Use AI to create an Employee class with attributes (name, id, salary) and a method to calculate yearly salary.

**code:**

 **output:**

Employee Name: John Doe

Employee ID: 101

Monthly Salary: 5000

Yearly Salary: 60000

---- After Bonus ----

Bonus of 10% added. New Monthly Salary: 5500.0

Employee Name: John Doe

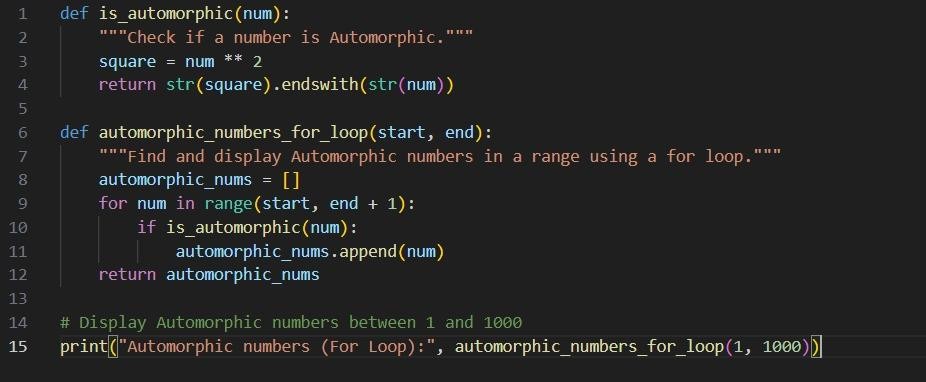
Employee ID: 101

Monthly Salary: 5500.0

Yearly Salary: 66000.0

Task-2:

#Prompt AI to generate a function that displays all Automorphic numbers between 1 and 1000 using a for loop Code:



Output:

Automorphic numbers (for loop):

1 5 6 25 76 376 625

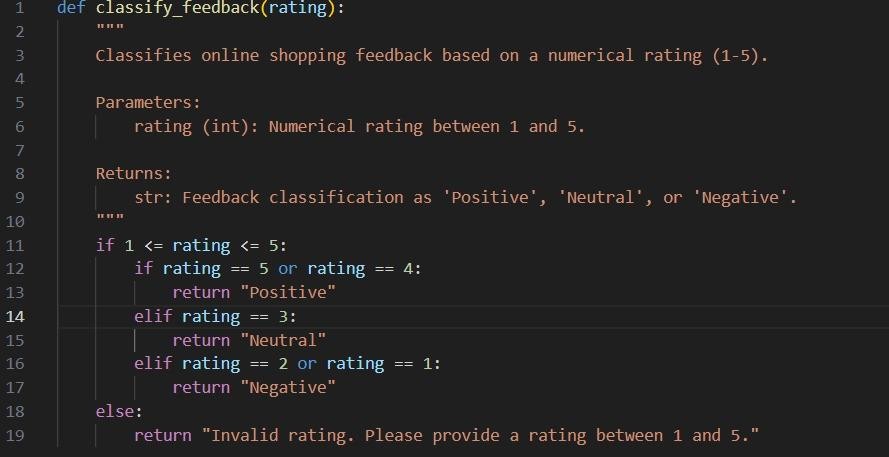
Automorphic numbers (while loop):

1 5 6 25 76 376 625

Task-3:

#Ask AI to write nested if-elif-else conditions to classify online shopping feedback as Positive, Neutral, or Negative based on a numerical rating (1–5).

Code:



Output:

Positive

Positive

Neutral

Negative

Negative

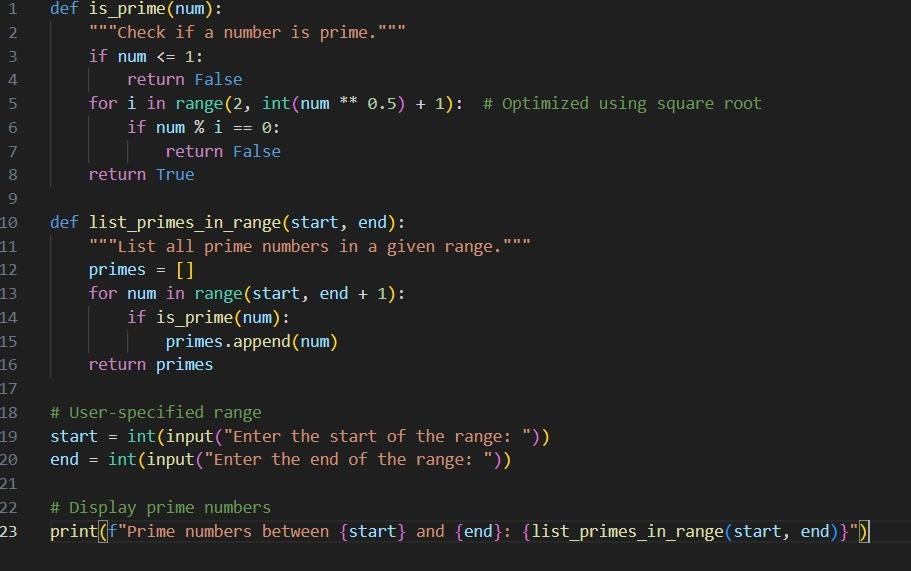
Invalid rating. Please provide a rating between 1 and 5.

Invalid rating. Please provide a rating between 1 and 5.

Task 4:

#Generate a function using AI that displays all prime numbers within a userspecified range (e.g., 1 to 500).

Code:



Output:

Enter the start of the range: 1

Enter the end of the range: 20

Prime numbers between 1 and 20: [2, 3, 5, 7, 11, 13, 17, 19]

Task 5:

#Use AI to build a Library class with methods to add\_book(), issue\_book(), and display\_books().

CODE:



Output:

"The Great Gatsby" added.

"1984" added.

"To Kill a Mockingbird" added.

Available books:

* The Great Gatsby
* 1984 - To Kill a Mockingbird "1984" issued.

"The Catcher in the Rye" not available.

Available books:

* The Great Gatsby
* To Kill a Mockingbird