**AI ASSISTED CODING**

**Lab-2.3:**

Exploring Additional AI Coding Tools-Gemini & CursorAI

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Batch : 06

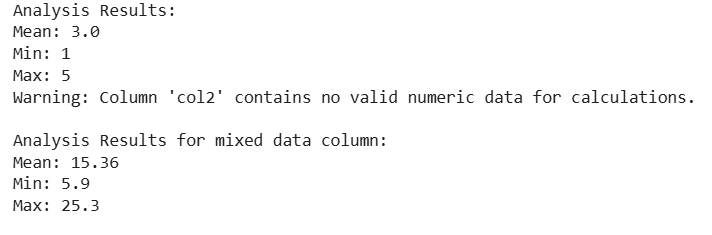
Task-1:  
● Use Google Gemini in Colab to write a function that reads a CSV file and calculates mean, min, max.  
Expected Output#1  
● Functional code with output and screenshot

Prompt:generate code on function that reads a csv file and calculates mean,min,max

Code:



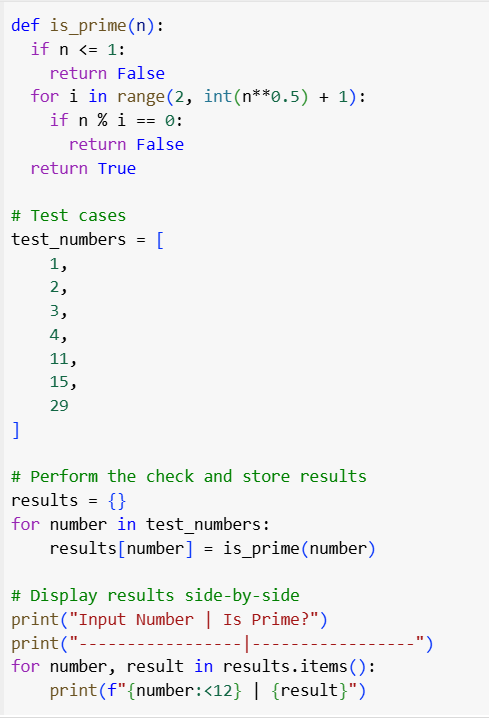
Output:



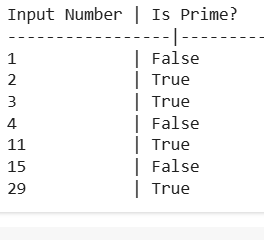
Task-2:  
● Compare Gemini and Copilot outputs for a palindrome check function.  
Expected Output#2  
● Side-by-side comparison and observations

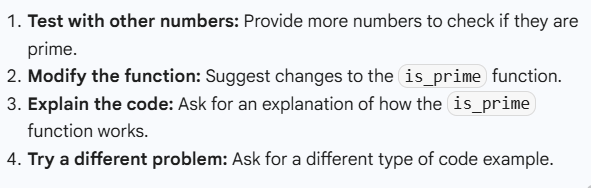
Prompt:generate code for palindrome check function.

Code:



Output:





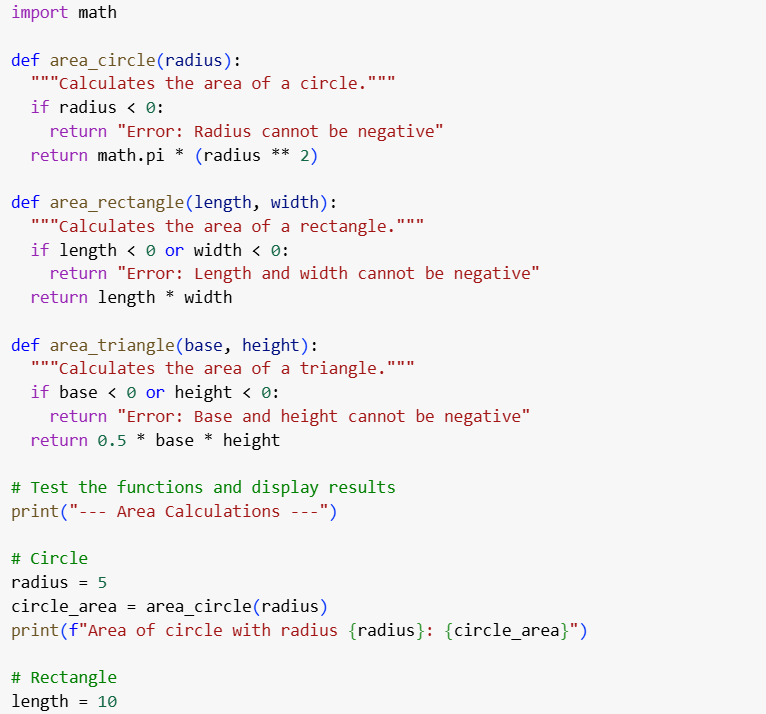
Task-3:

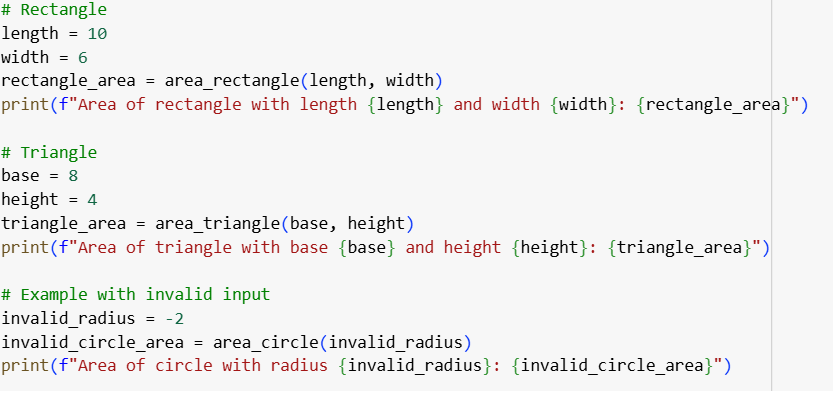
● Ask Gemini to explain a Python function (to calculate area of various shapes) line by line..  
Expected Output#3  
● Detailed explanation with code snippet.

Prompt:

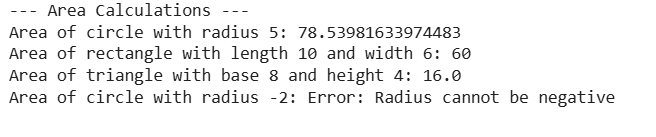
Generate code Python function (to calculate area of various shapes)

Code:

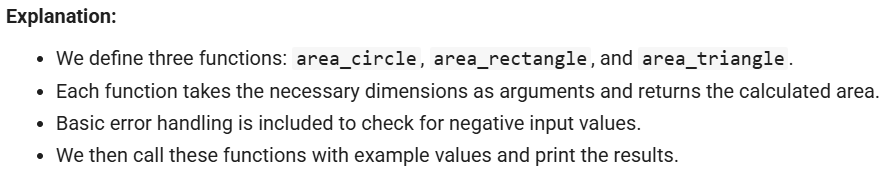




Output:



Explanation:

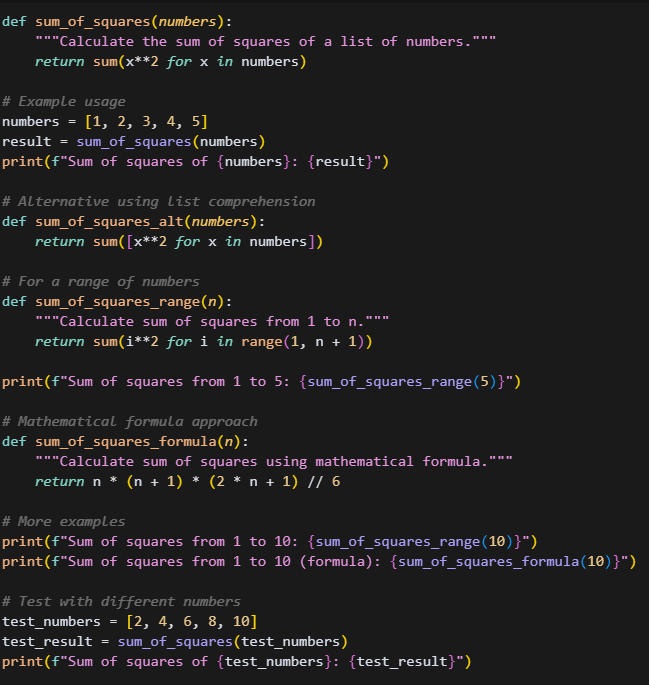


Task-4:  
● Install and configure Cursor AI. Use it to generate a Python function(e.g.,sumof squares).  
Expected Output#4  
● Screenshots of working environments with few prompts to generate python code

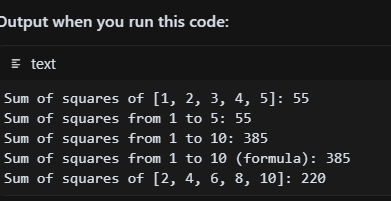
Prompt:

Generate code on python function of sum of squares

Code:



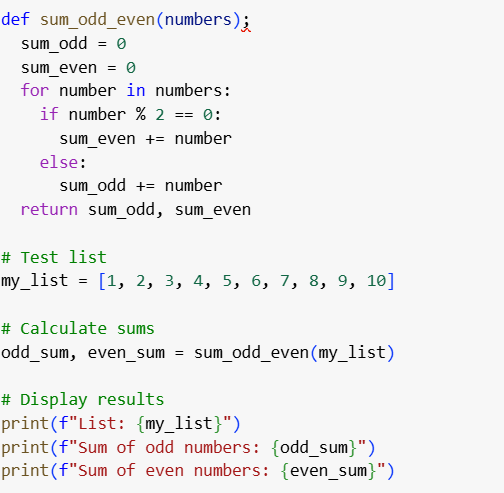
Output:



Task-5:  
● Student need to write code to calculate sum of add number and even numbers in the list  
Expected Output#5  
● Refactored code written by student with improved logic.

Prompt: write code to calculate sum of add number and even numbers in the list

Code:



Output:

