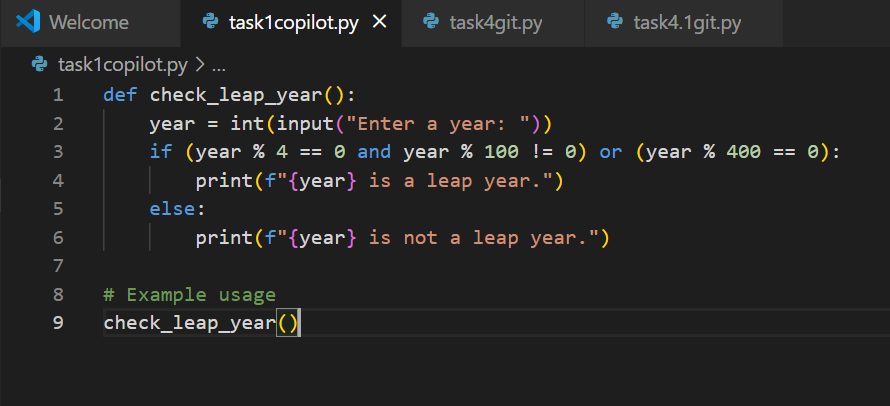
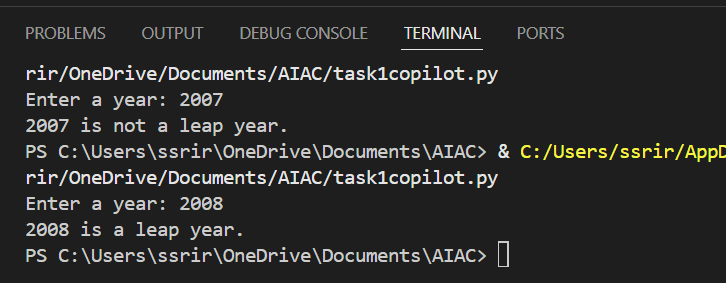
**LAB 4**

**Task Description#1**  
● Zero-shot: Prompt AI to write a function that checks whether a given year is a leap  
year.  
**Expected Output#1**  
● AI-generated function with no examples provided.

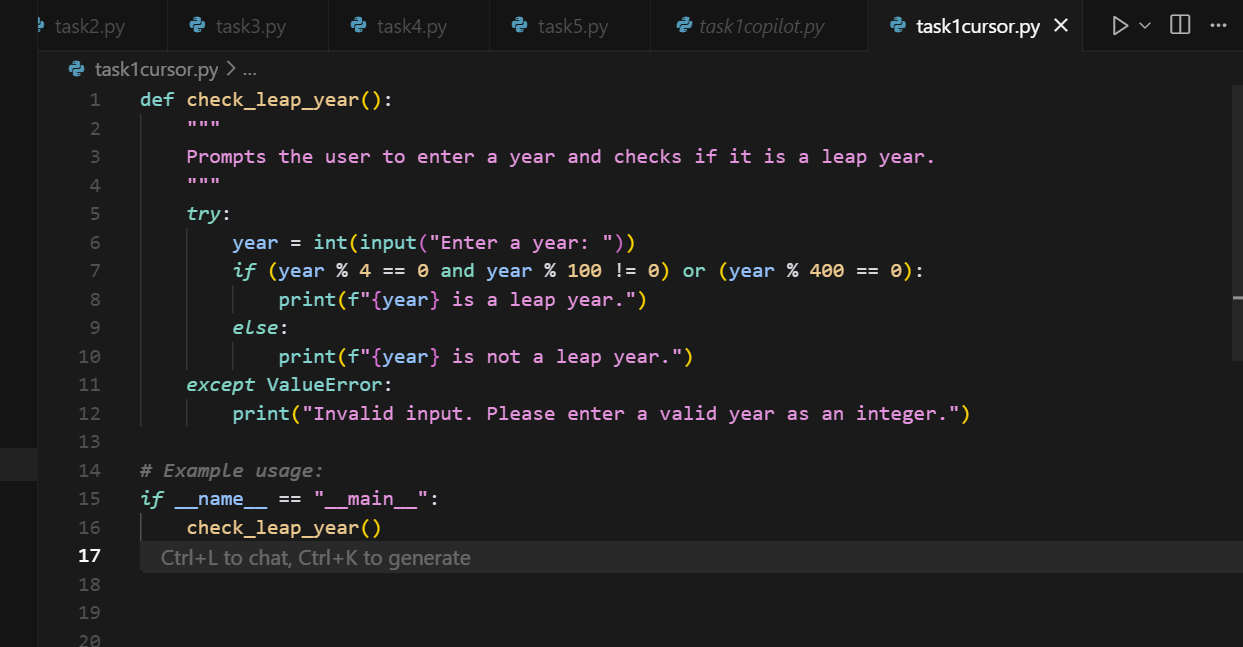
**Prompt :** Generate a python function that accepts the input value from the user and checks whether given year is a leap year or not .



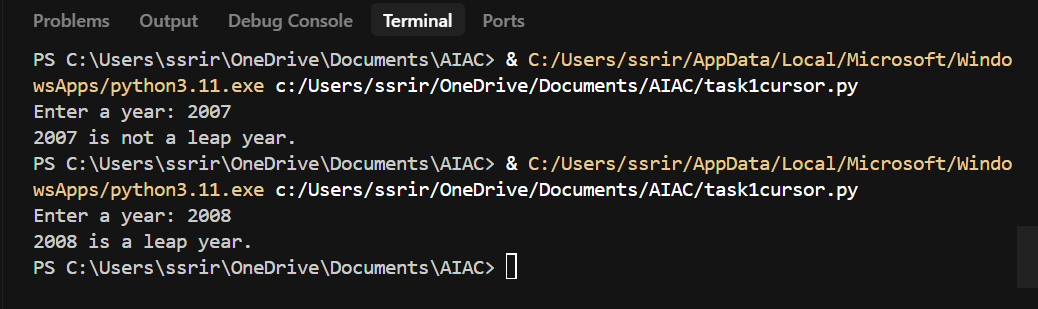
**Output :**

****

**Cursor AI :**

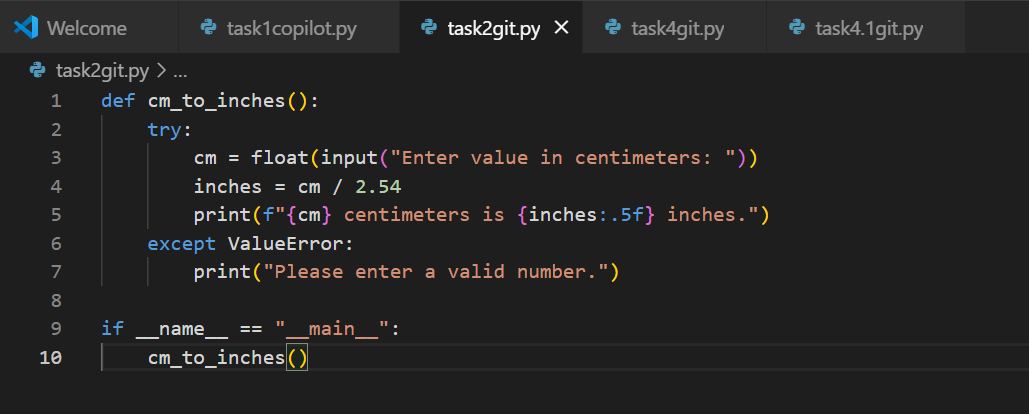
****

**Output :**

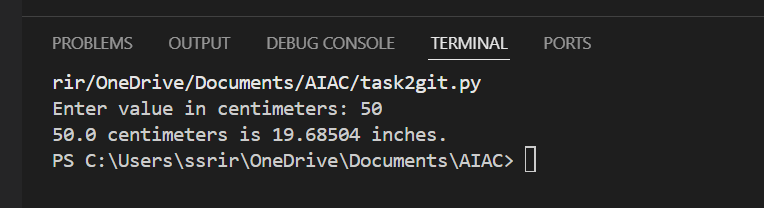
****

**Task Description#2**● One-shot: Give one input-output example to guide AI in writing a function that  
converts centimeters to inches.  
**Expected Output#2**● Function with correct conversion logic

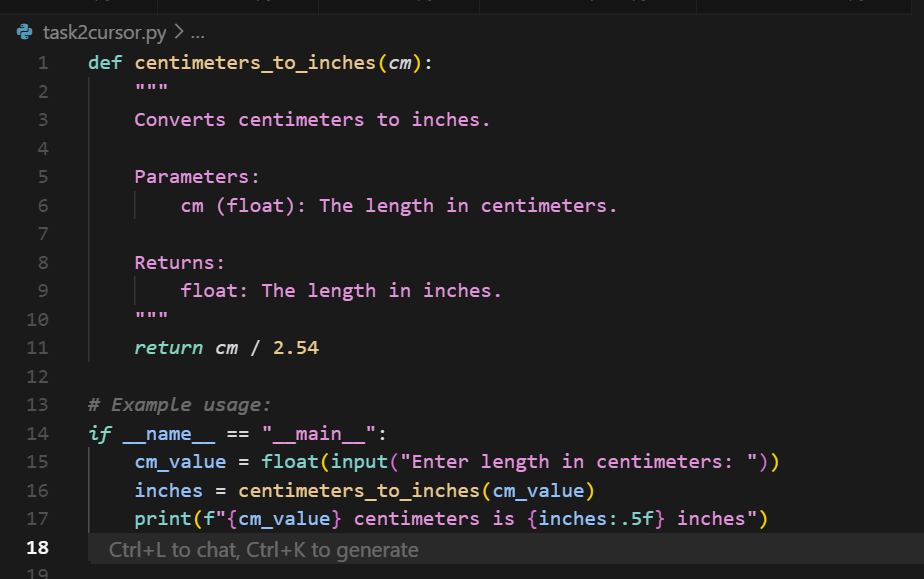
**Prompt :** write a function that accepts a value from a user converts centimeters to inches. Example : 10 centimeters coverts to 3.93701 inches.



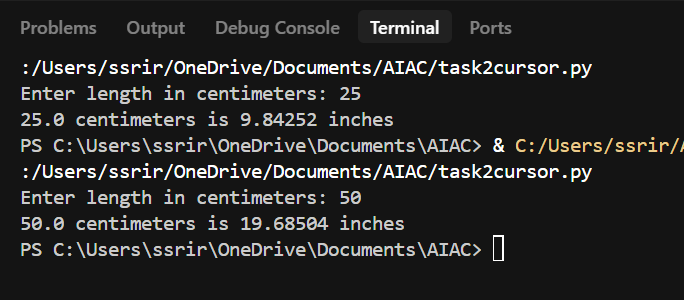
**Output :**

****

**Cursor AI :**

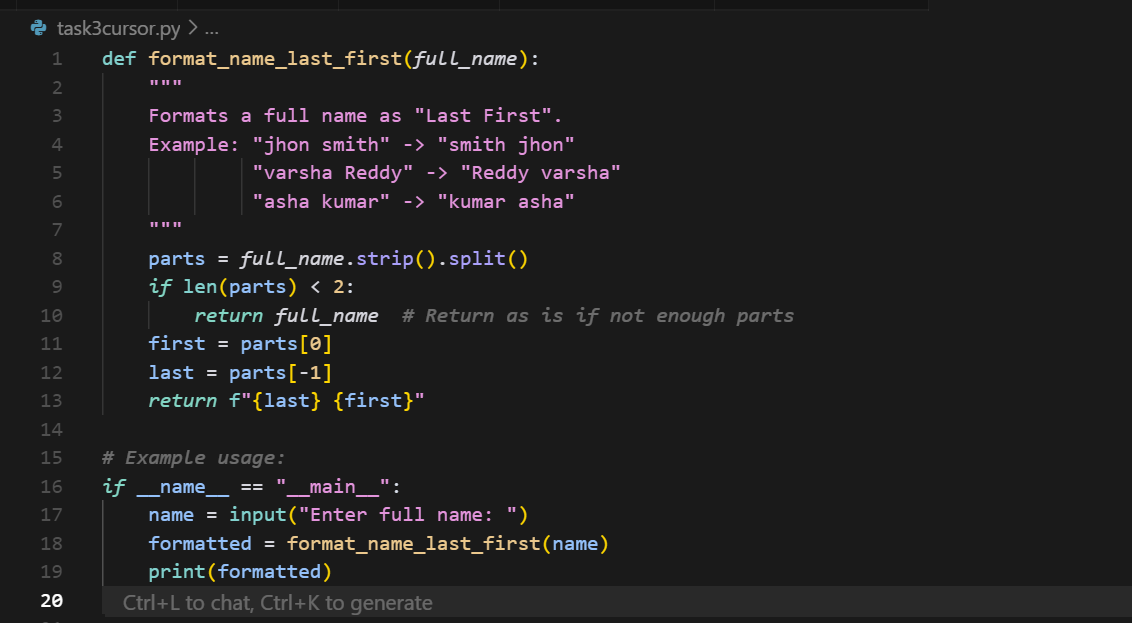


**Output :**

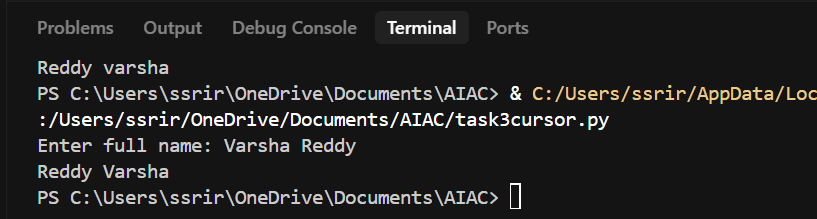
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**Task Description#3**  
● Few-shot: Provide 2–3 examples to generate a function that formats full names as  
“Last, First”.  
**Expected Output#3**● Well-structured function respecting the examples.

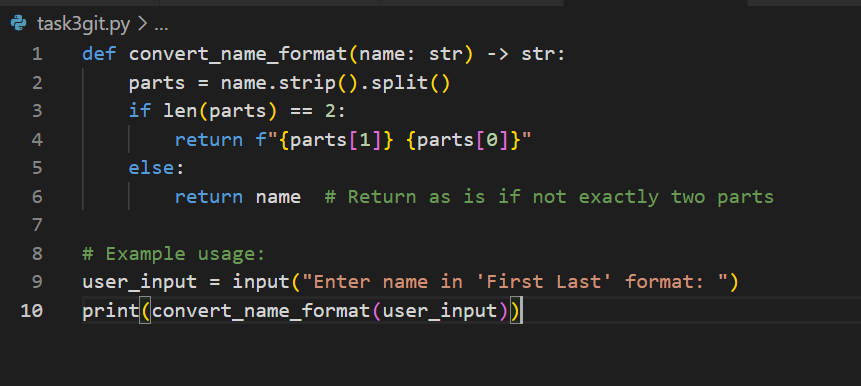
**Prompt :** Generate a function that formats full names as “Last, First” Examples 1: jhon smith to smith jhon. Example 2 : varsha Reddy to Reddy varsha. Example 3 : asha kumar to kumar asha.



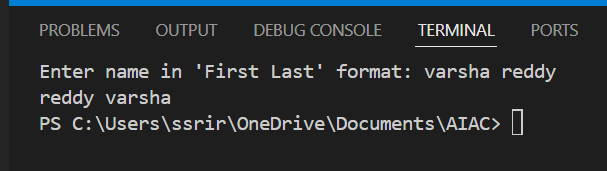
**Output :**

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**Prompt :** Generate a function that accepts the string from the user and Convert the string from 'First Last' to 'Last, First' as Examples 1: jhon smith to smith jhon. Example 2 : varsha Reddy to Reddy varsha. Example 3 : asha kumar to kumar asha.

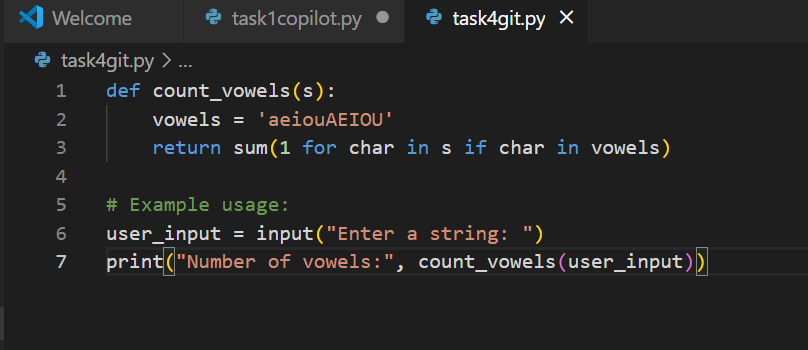
****

**Output :**

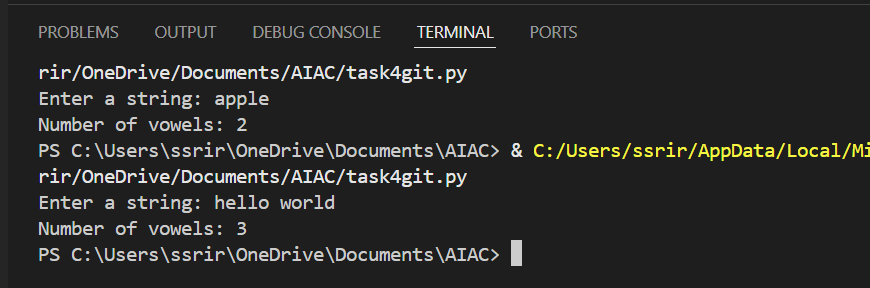
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**Task Description#4**  
● Compare zero-shot and few-shot prompts for writing a function that counts the  
number of vowels in a string.  
**Expected Output#4**  
● Functional output and comparative reflection.

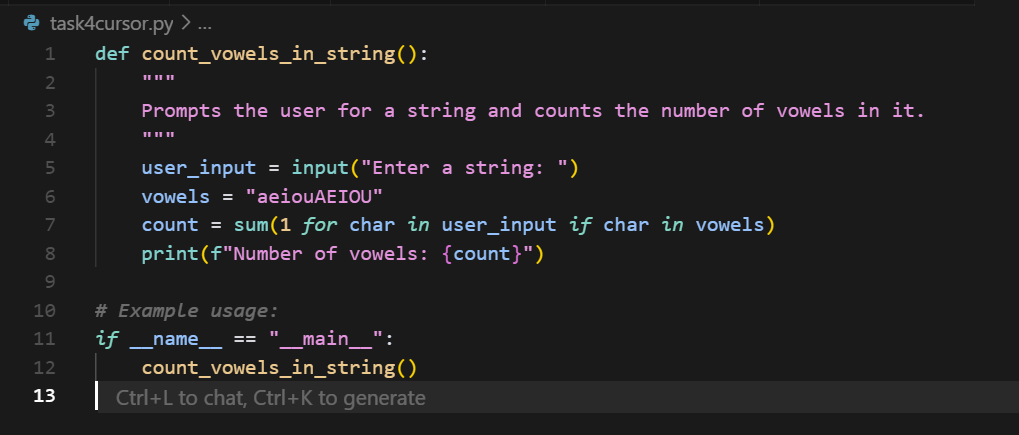
**Zero-shot Prompt :** Generate a function that accepts a string from the user and counts the  
number of vowels in a string.



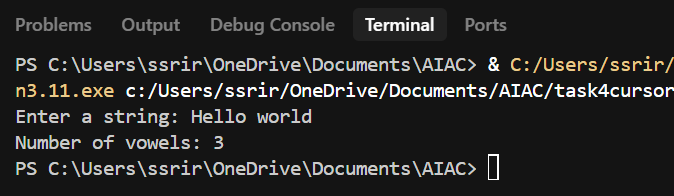
**Output :**

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**Cursor AI :**

****

**Output :**

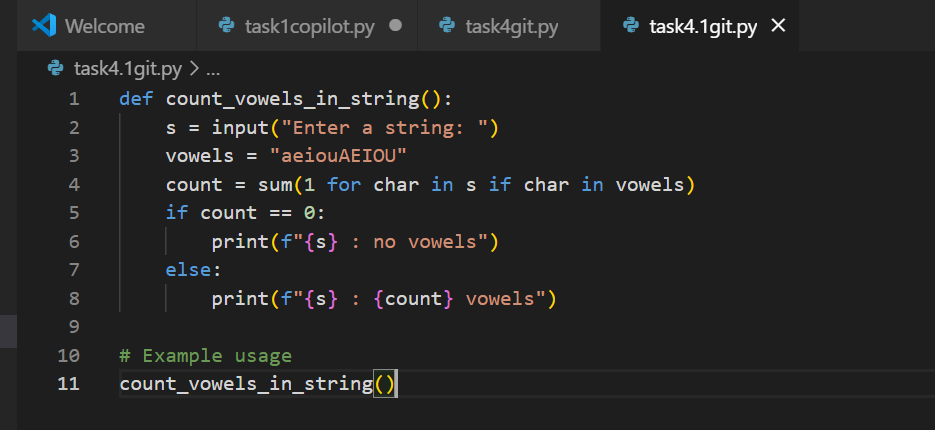
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**Few-shot prompt :** Generate a function that accepts a string from the user and counts the number of vowels in a string as

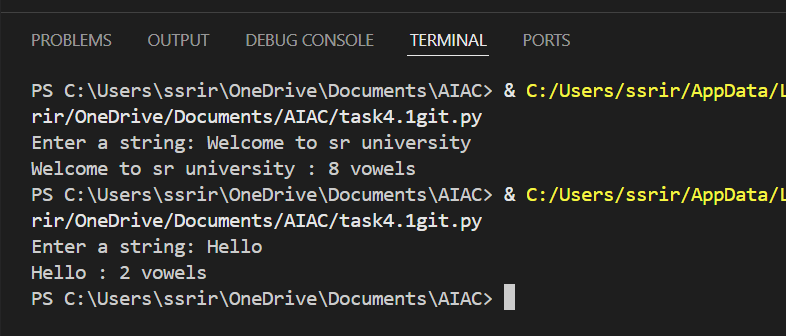
Example 1: Hello world has 3 vowels ,

Example 2: PYTHON programming has 4 vowels ,

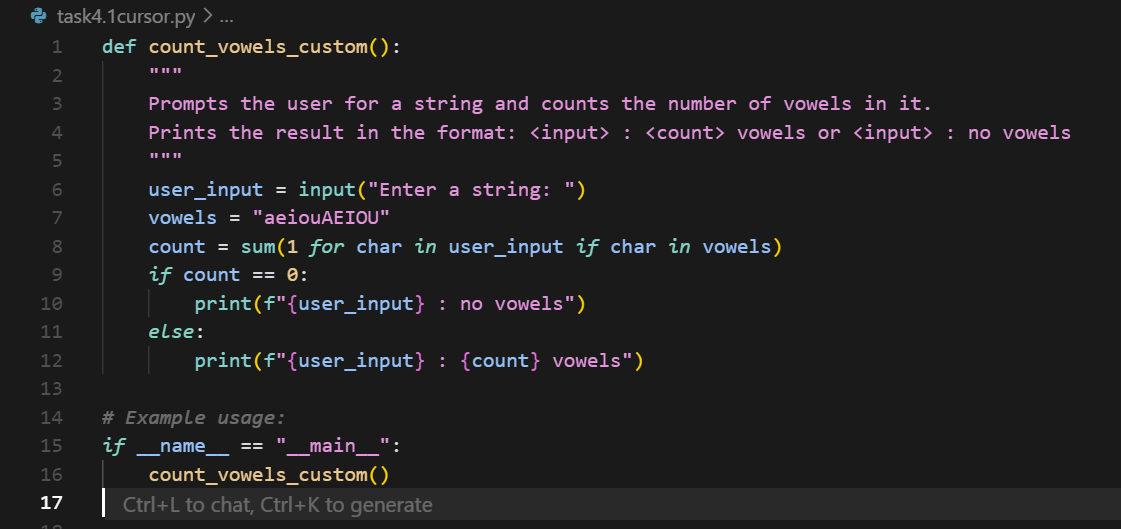
Example 3:Rhythm has no vowels



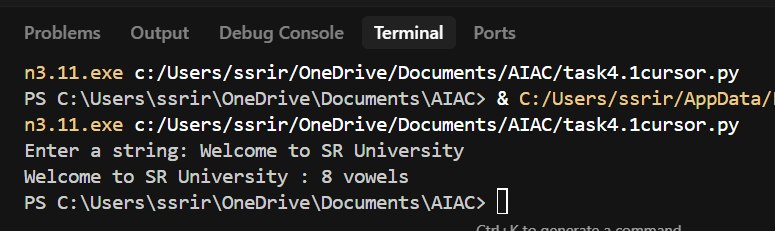
**Output :**

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**Cursor AI :**

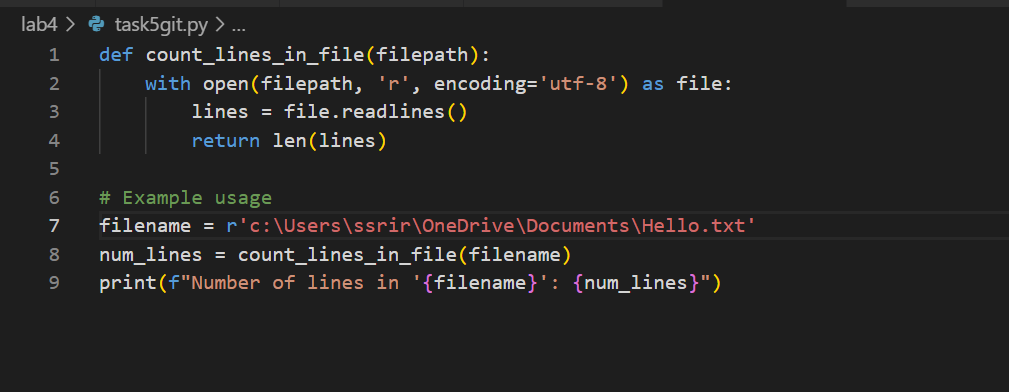
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**Output :**

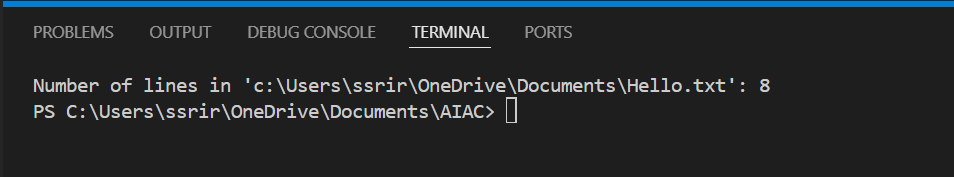
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**Task Description#5**● Use few-shot prompting to generate a function that reads a .txt file and returns the  
number of lines.  
**Expected Output#5**● Working file-processing function with AI-guided logic.

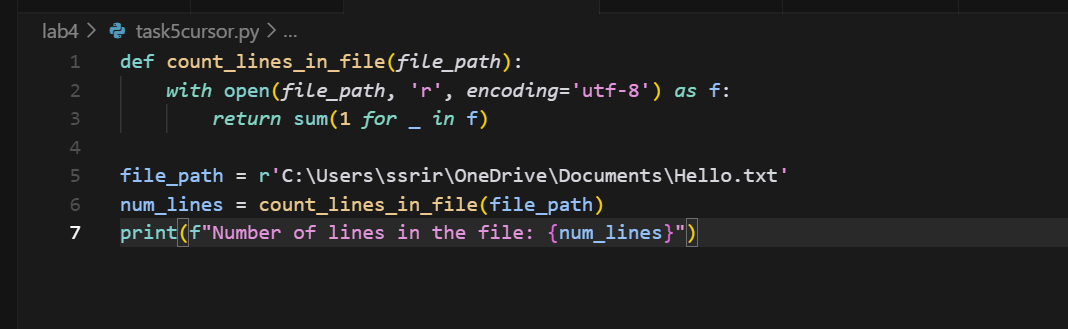
**Prompt :** Generate a function that reads a .txt file and returns the number of lines.And display the output. [C:\Users\ssrir\OneDrive\Documents\Hello.txt](file:///C:\Users\ssrir\OneDrive\Documents\Hello.txt)



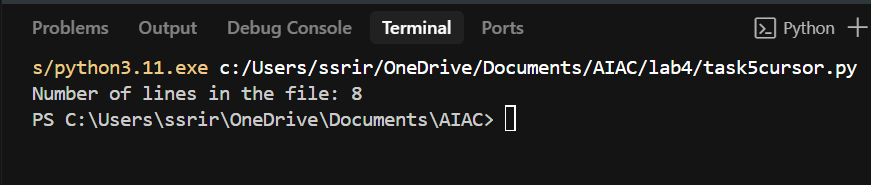
**Output :**



**Cursor AI :**

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**Output :**

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