**SR UNIVERSITY**

**AI CODING**

**ASSIGNMENT NO:04**

**NAME :Gobbilla Manoghna**

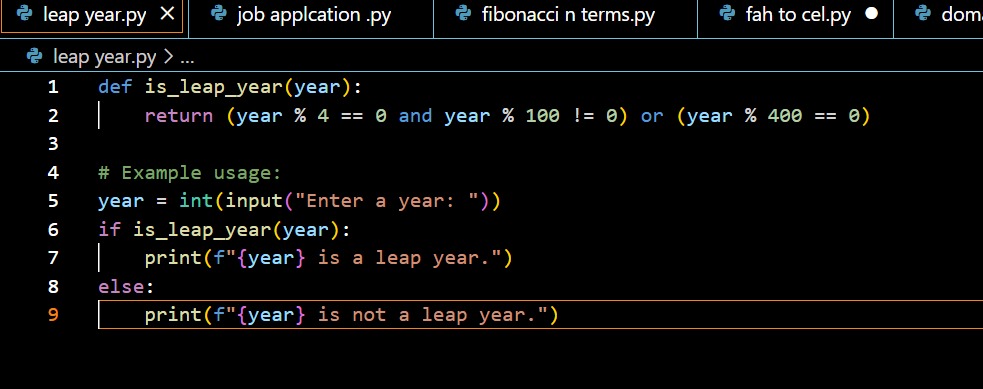
**ENROLLMENT NO: 2403A54078**

**BATCH NO : 03**

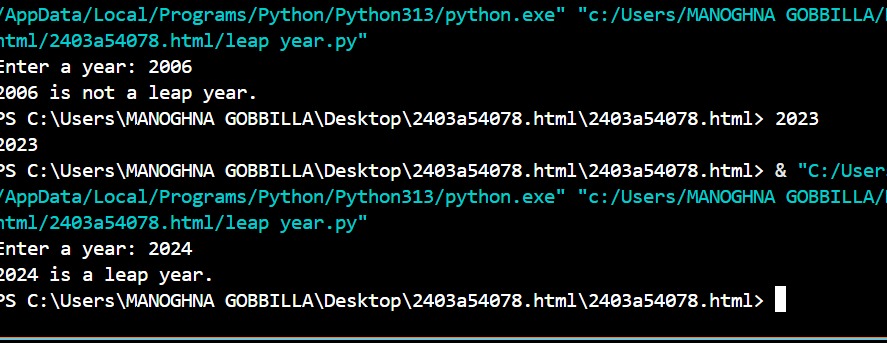
**TASK:01**

**Zero-shot: Prompt AI to write a function that checks whether a given year is a leap year.**

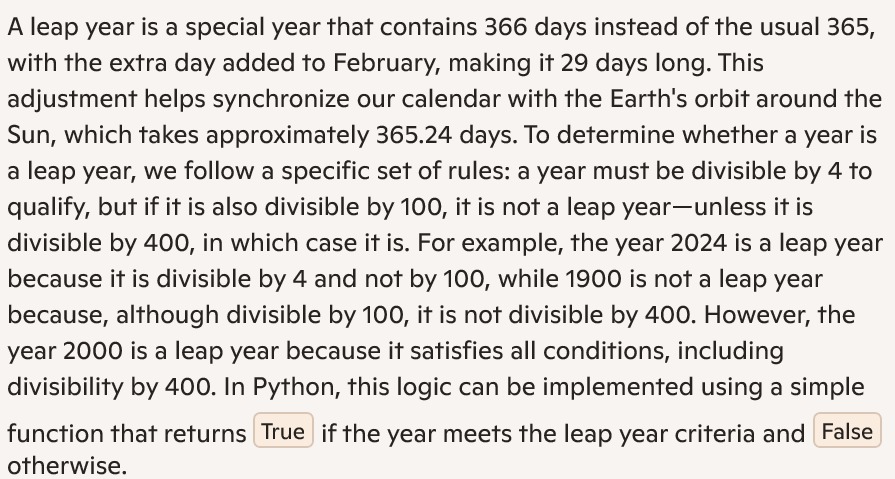
**CODE:**

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**OUTPUT:**



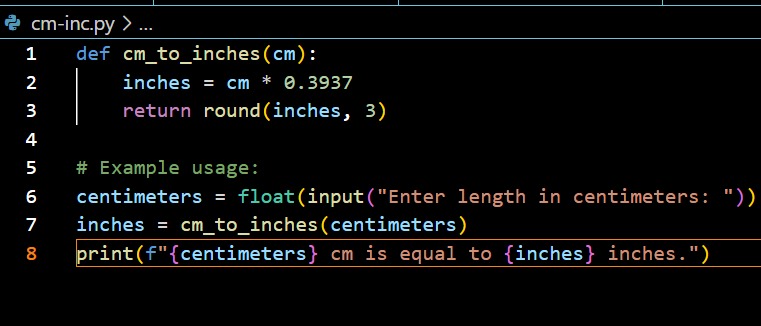
EXPLANATION:



TASK:02

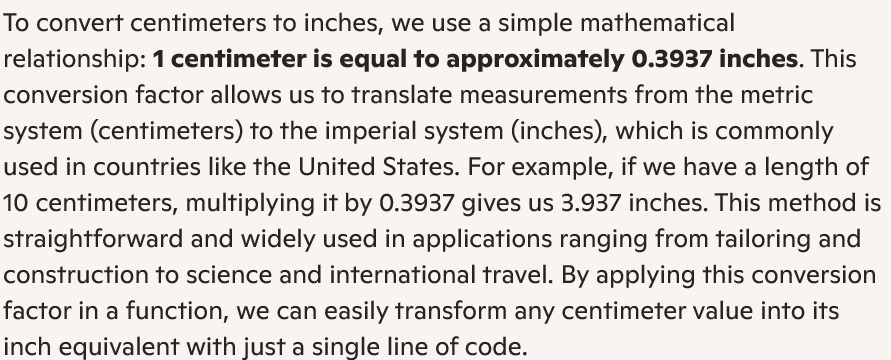
One-shot: Give one input-output example to guide AI in writing a function that converts centimeters to inches.

CODE:



OUTPUT: 

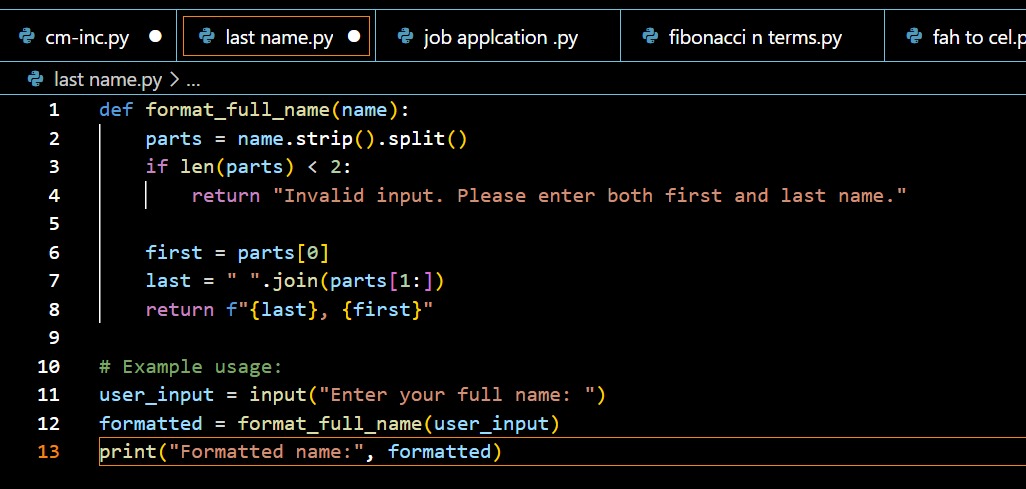
EXPLANATION:



TASK:03

Few-shot: Provide 2–3 examples to generate a function that formats full names as “Last, First”

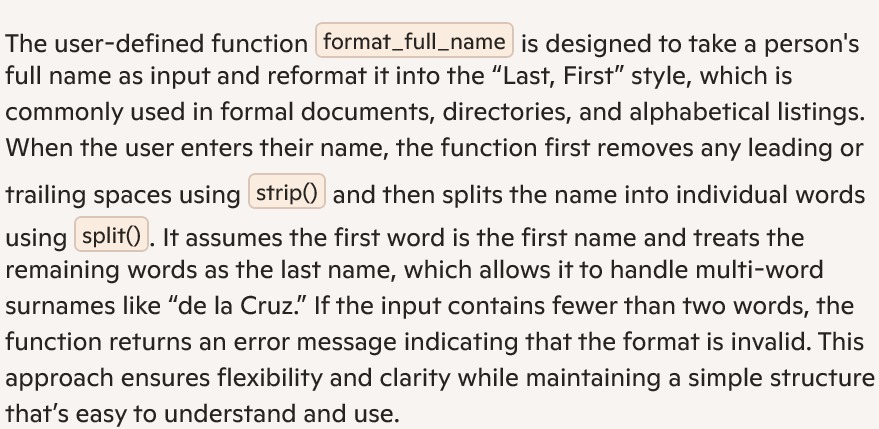
CODE:



OUTPUT:



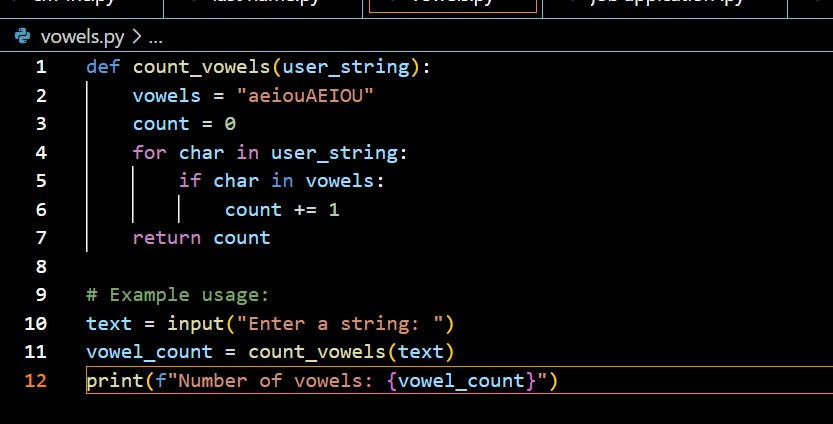
EXPLANATION:



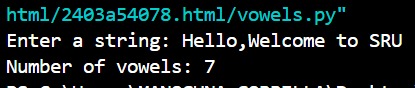
TASK:04

Compare zero-shot and few-shot prompts for writing a function that counts the number of vowels in a string.

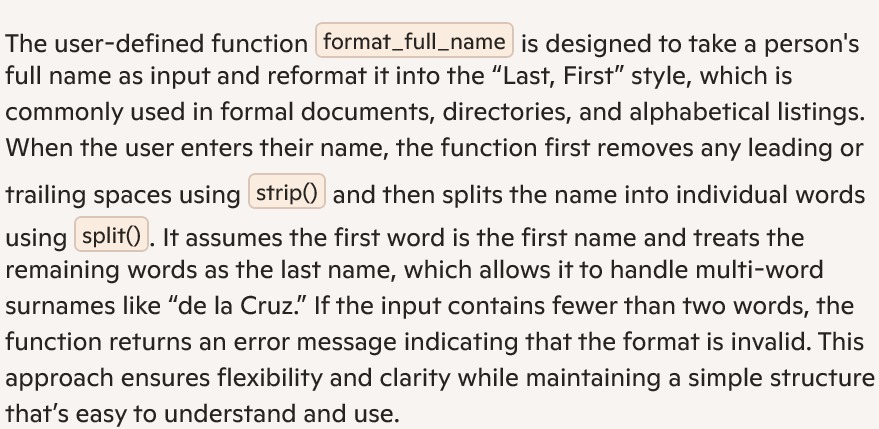
CODE:



OUTPUT:



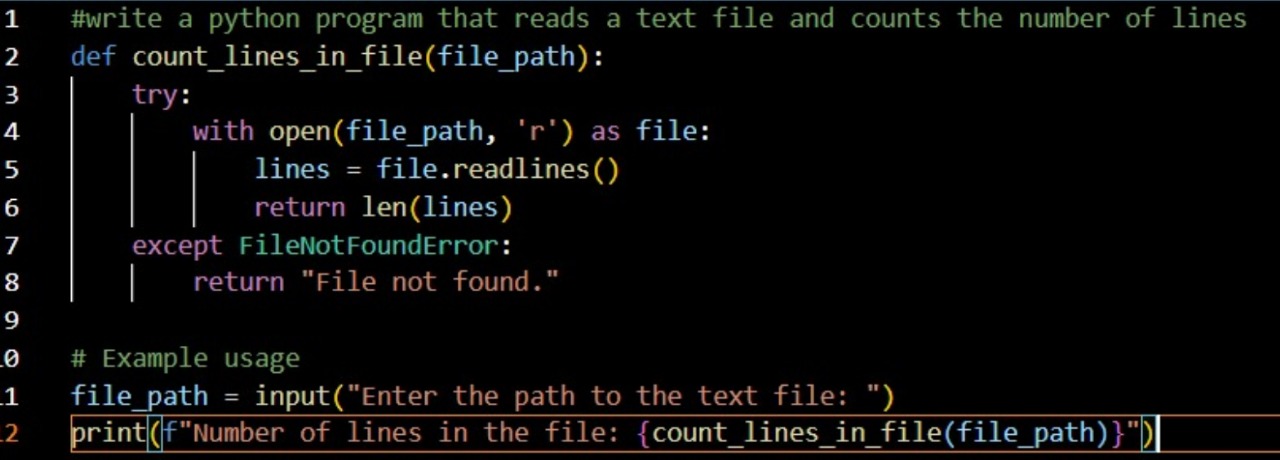
EXPLANATION:



TASK:05

Use few-shot prompting to generate a function that reads a .txt file and returns the number of lines

CODE:



OUTPUT:

EXPLANATION:

