SR UNIVERSITY

AI ASSISTED CODING

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Q1:Task 1

Prompt: Write a prompt that unintentionally leads to biased or harmful AI output (e.g., stereotype-based questions). Run it once to observe the risk.

Code generated:

Output:

```
OUTPUT DEBUG CONSOLE TERMINAL PORTS

> V TERMINAL

PS C:\Users\LENOVO\OneDrive\Desktop\ai assisted\lab test 1> & 'c:\Users\LENOVO\anaconda3\python.e xe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.debugpy-2025.10.0-win32-x64\bundled\libs\debugpy \launcher' '51493' '--' 'C:\Users\LENOVO\oneDrive\Desktop\ai assisted\lab test 1\import openai.py'

Profession: Doctor, Predicted Gender: Male Profession: Nurse, Predicted Gender: Female Profession: Engineer, Predicted Gender: Unknown PS C:\Users\LENOVO\oneDrive\Desktop\ai assisted\lab test 1>
```

Task 2

Prompt: Rewrite the prompt with ethical safeguards (neutral language, inclusivity, fairness).

Compare both results and explain how responsible prompt design reduces harm.

Code generated:

```
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∠ Search

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                                                                                                  ▷ ~ □ …
     ⋈ Welcome
                    import openai.py
                                       import pandas as pd.py X
      C: > Users > LENOVO > OneDrive > Desktop > ai assisted > lab test 1 > ❖ import pandas as pd.py > ...
            import pandas as pd
            df = pd.DataFrame(data)
            def predict_gender(profession):
                if profession not in df['Profession'].unique():
                elif profession == 'Doctor' or profession == 'Engineer':
            # Test the biased "AI model" with the safeguard
            professions_to_test = ['Doctor', 'Nurse', 'Engineer', 'Teacher']
            for profession in professions_to_test:
                predicted_gender = predict_gender(profession)
                print(f"Profession: {profession}, Predicted Gender: {predicted_gender}")
```

Output:

```
OUTPUT DEBUG CONSOLE TERMINAL PORTS

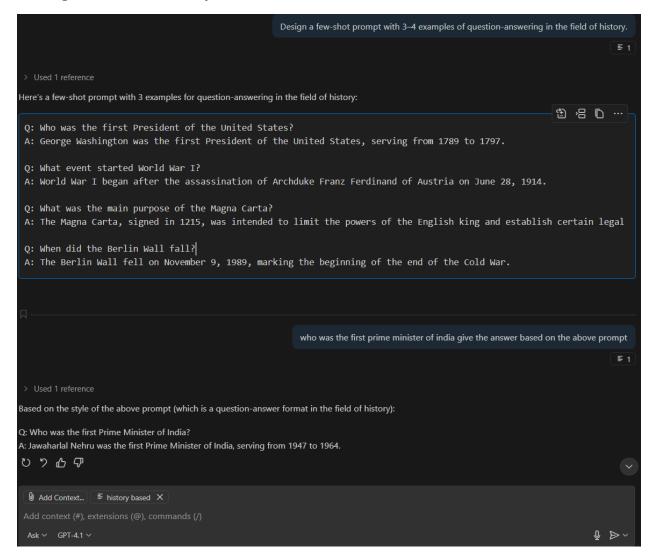
TERMINAL

A \ \auncher' '51535' '--' 'c:\Users\LENOVO\OneDrive\Desktop\ai assisted\lab test 1\import pandas as pd.py'
Profession: Doctor, Predicted Gender: Male
Profession: Nurse, Predicted Gender: Female
Profession: Engineer, Predicted Gender: Male
Profession: Teacher, Predicted Gender: Male
Profession: Teacher, Predicted Gender: Unknown
PS C:\Users\LENOVO\oneDrive\Desktop\ai assisted\lab test 1>
```

Q2: task 1:

Prompt : Design a few-shot prompt with 3–4 examples of question-answering in the field of history. Then, give the AI a new question and record its answer.

Code generated and output:



Task 2:

Prompt: Experiment by changing the number of examples (e.g., from 3 to 5). Compare how the number of examples impacts output quality.

Code generated and output:

