ASSIGNMENT-5.4

NAME:-N.ROHAN

BATCH-16

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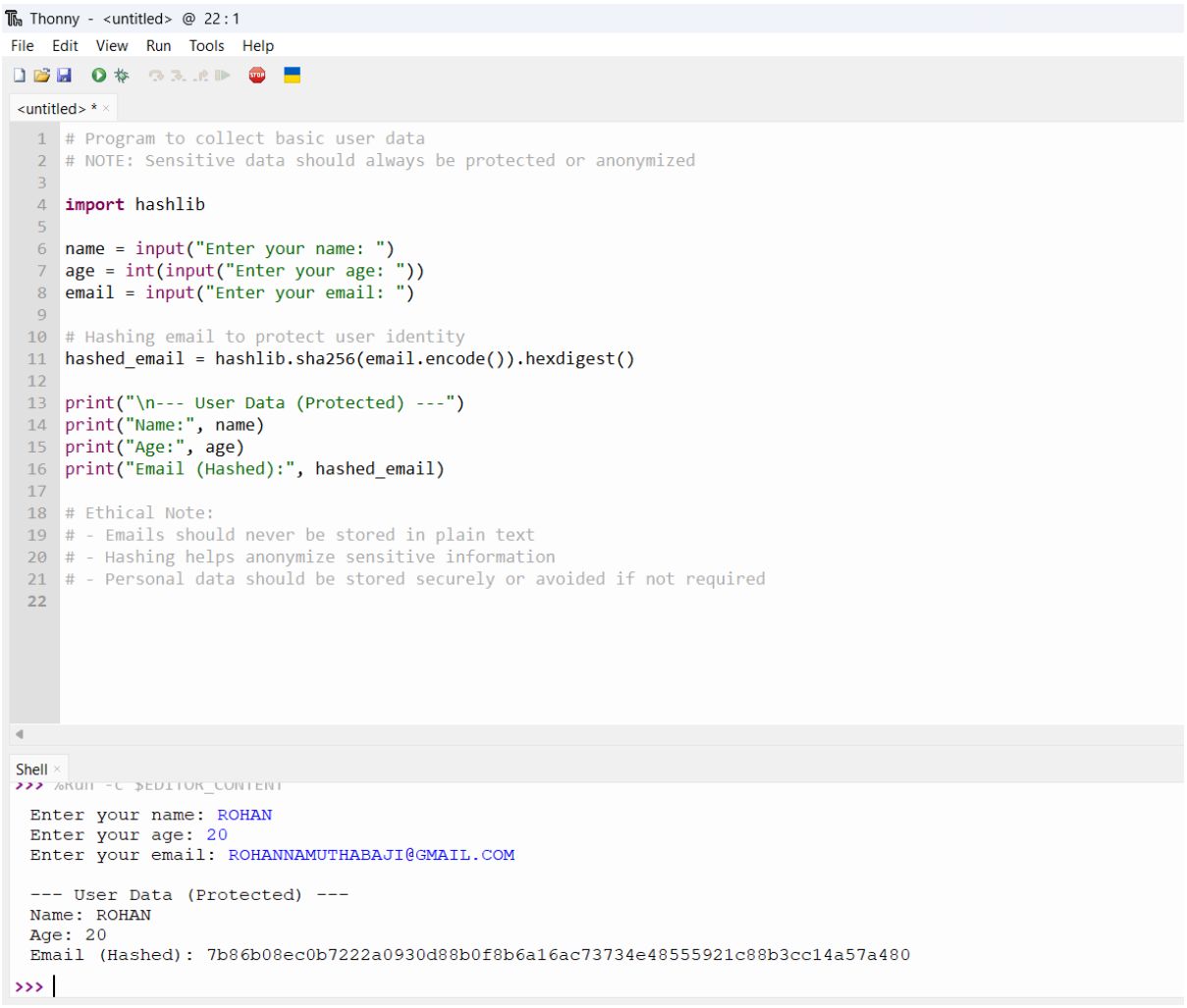
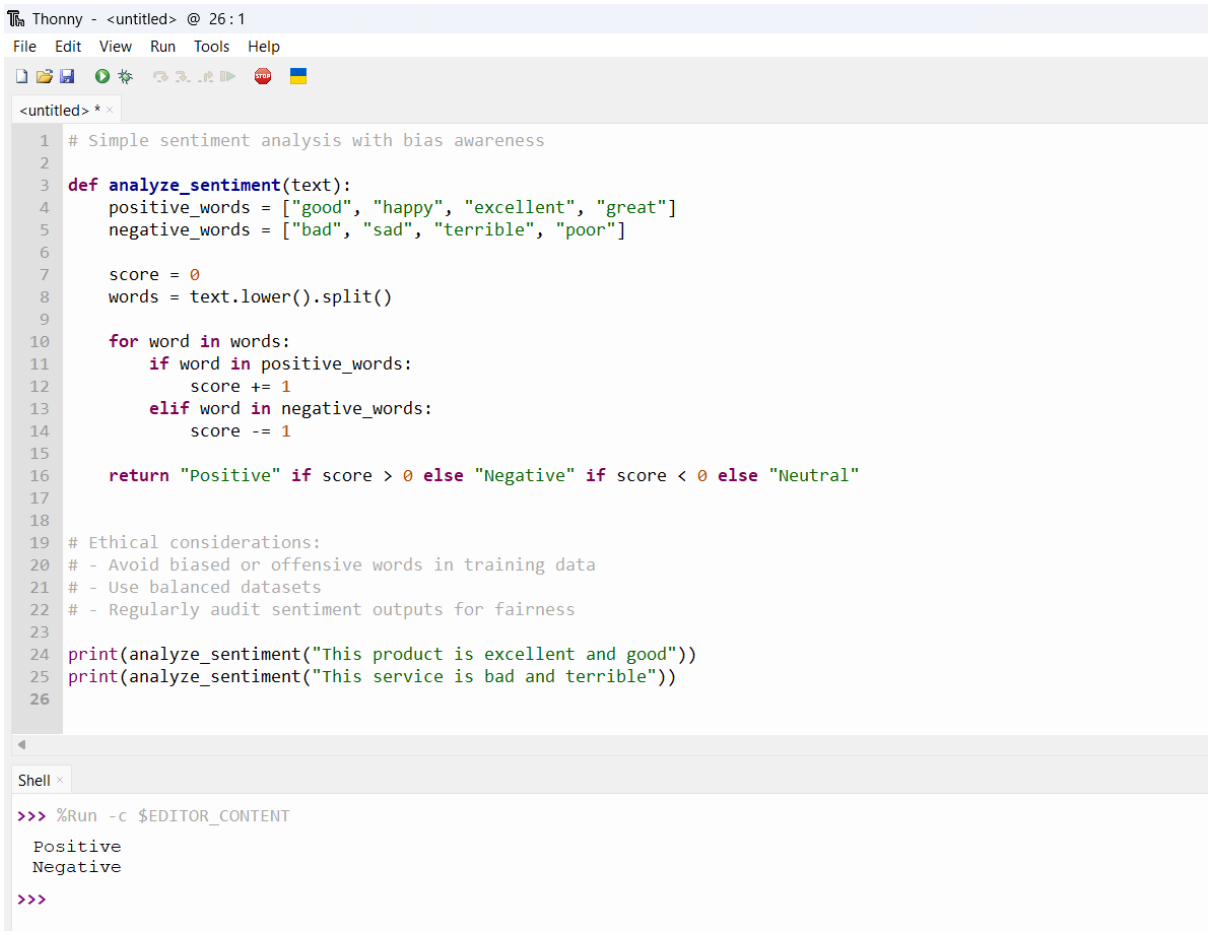
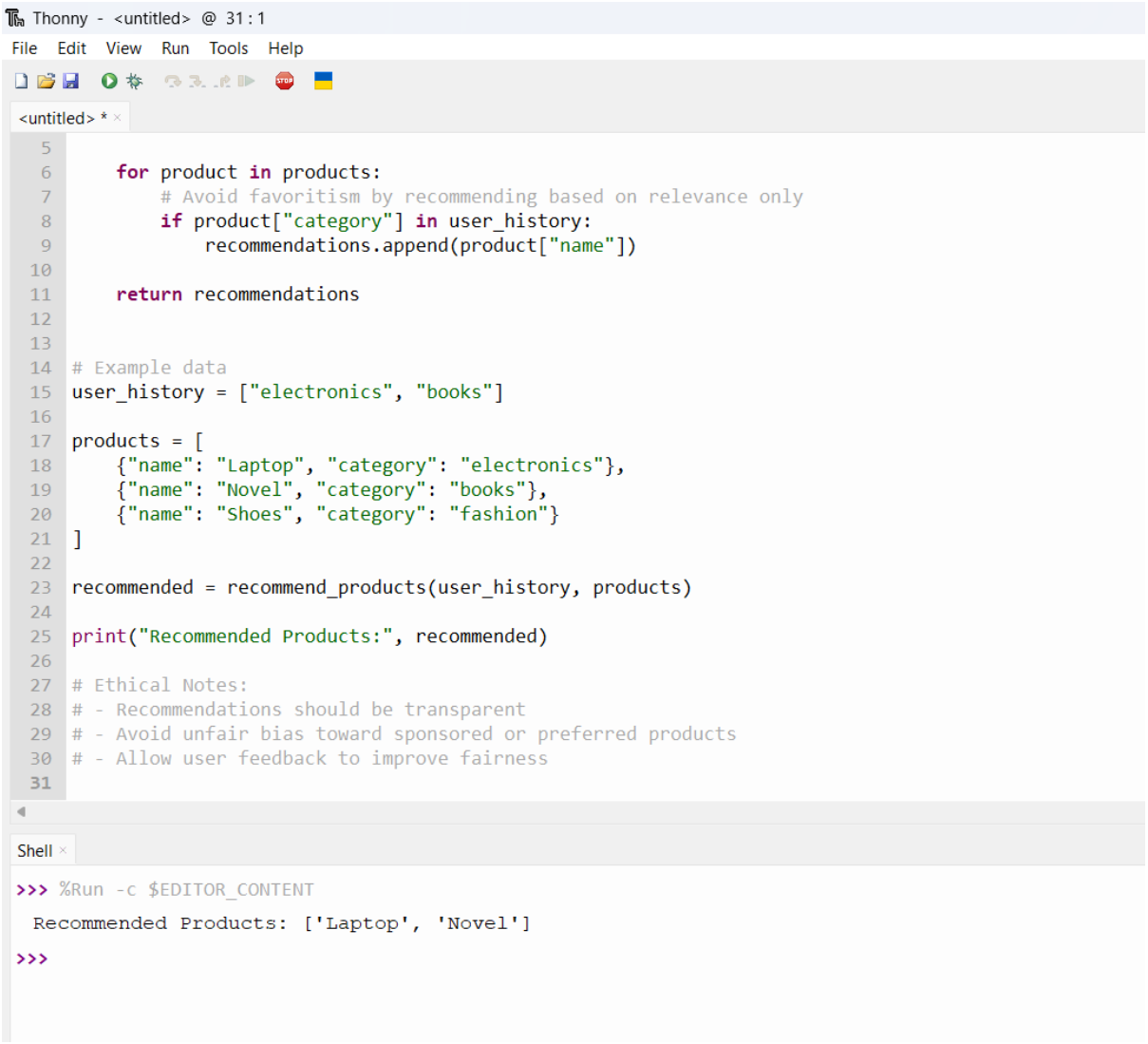
Task 1: Ethical Handling of User Data (Privacy & Anonymization)



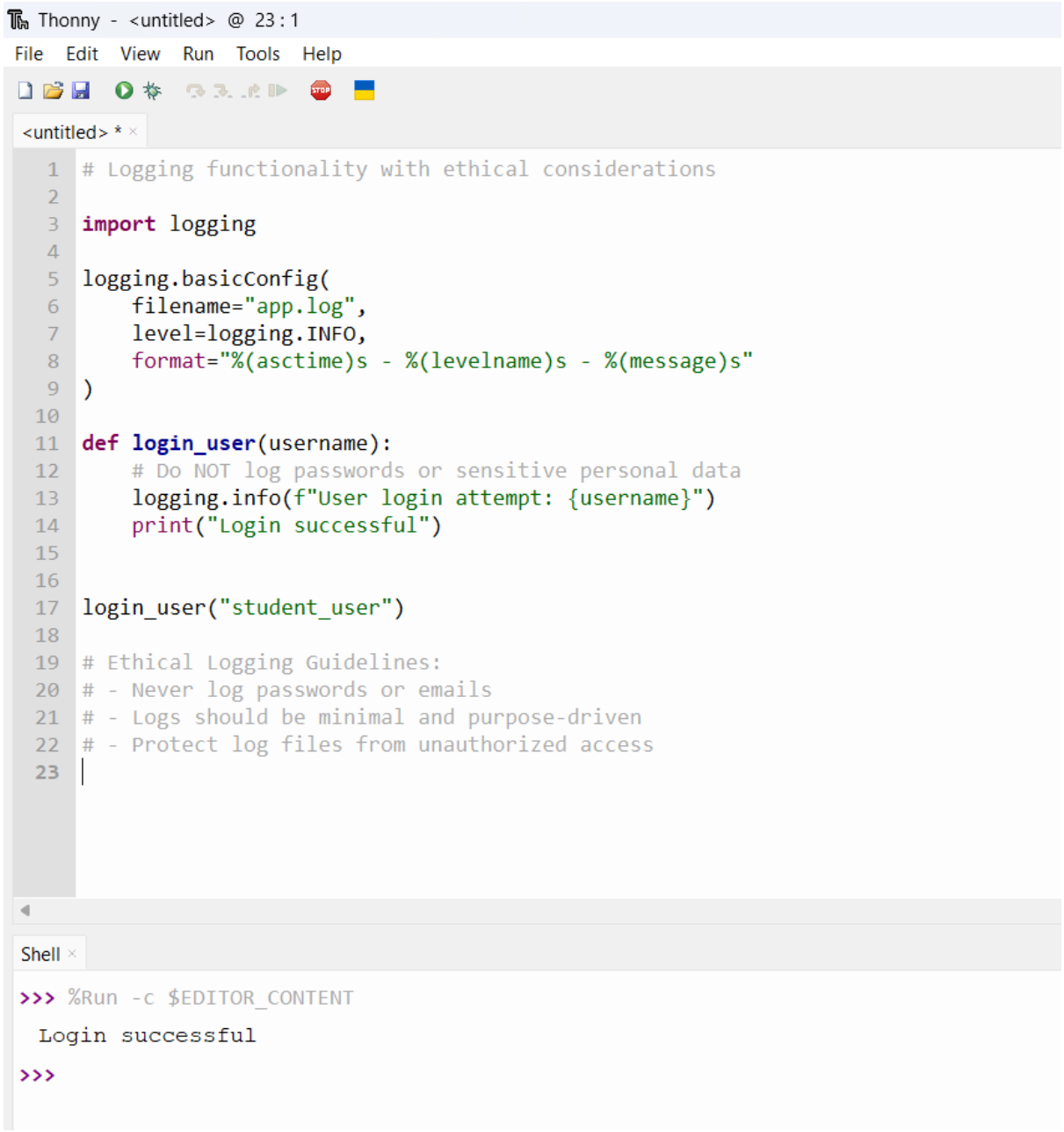
Task 2: Sentiment Analysis with Bias Awareness



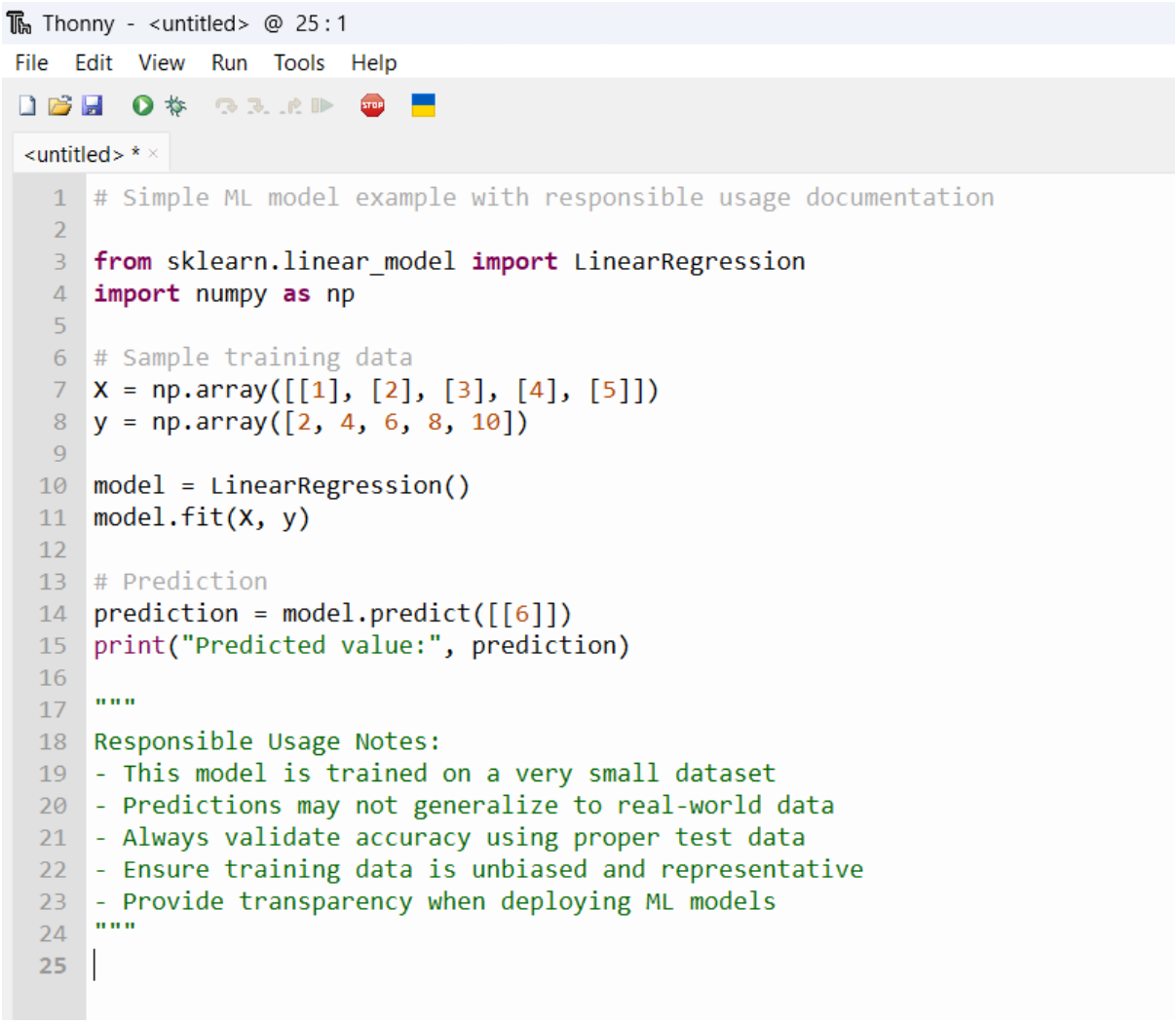
Task 3: Ethical Product Recommendation System



Task 4: Ethical Logging (Avoiding Sensitive Data)



Task 5: Responsible Machine Learning Model Usage


Thonny - <untitled> @ 25 : 1
File Edit View Run Tools Help
<untitled> *
1 # Simple ML model example with responsible usage documentation
2
3 from sklearn.linear_model import LinearRegression
4 import numpy as np
5
6 # Sample training data
7 X = np.array([[1], [2], [3], [4], [5]])
8 y = np.array([2, 4, 6, 8, 10])
9
10 model = LinearRegression()
11 model.fit(X, y)
12
13 # Prediction
14 prediction = model.predict([[6]])
15 print("Predicted value:", prediction)
16
17 """
18 Responsible Usage Notes:
19 - This model is trained on a very small dataset
20 - Predictions may not generalize to real-world data
21 - Always validate accuracy using proper test data
22 - Ensure training data is unbiased and representative
23 - Provide transparency when deploying ML models
24 """
25