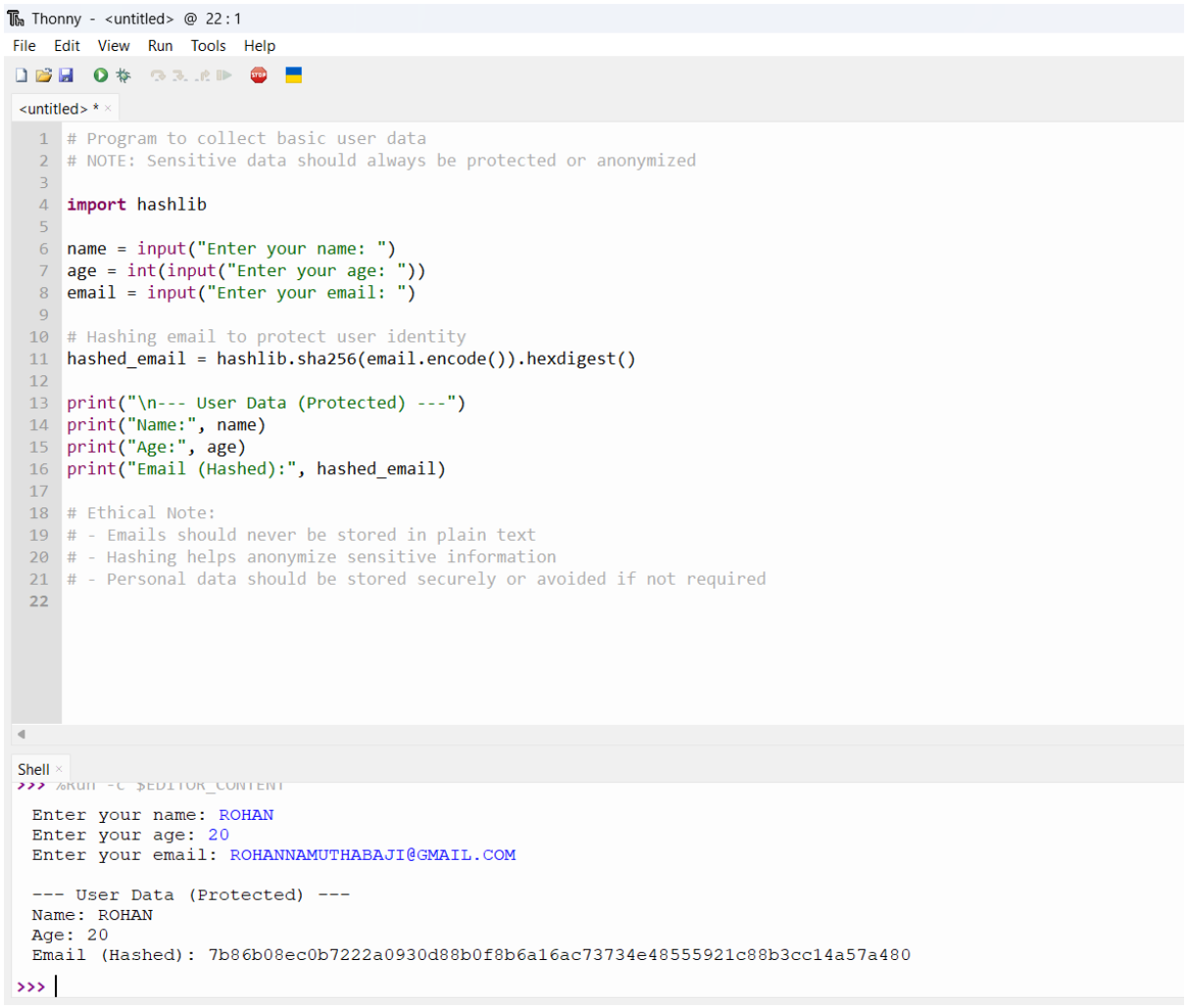
ASSIGNMENT-5.4

NAME:-G.VARSHITHA

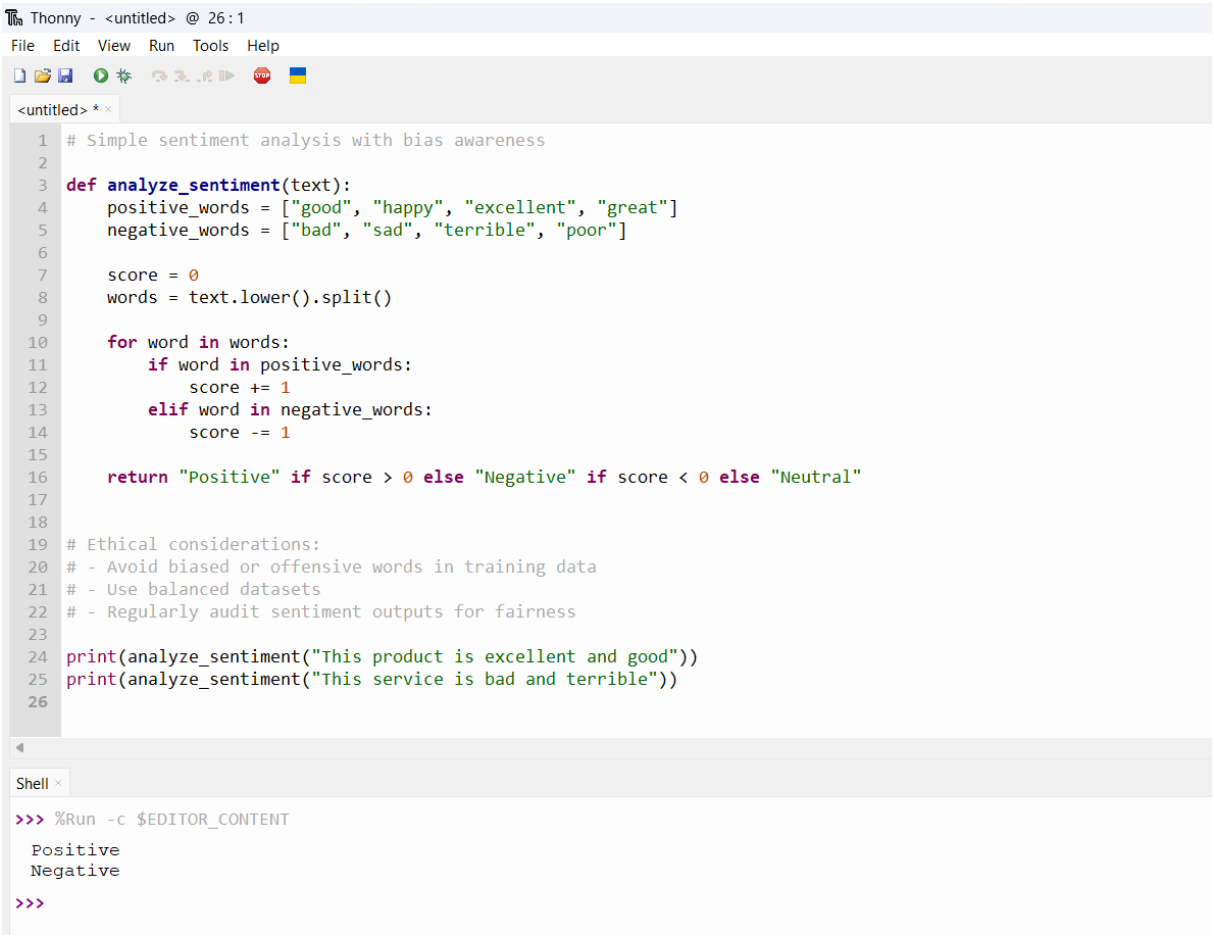
BATCH-16

HTNO:-2303A51053

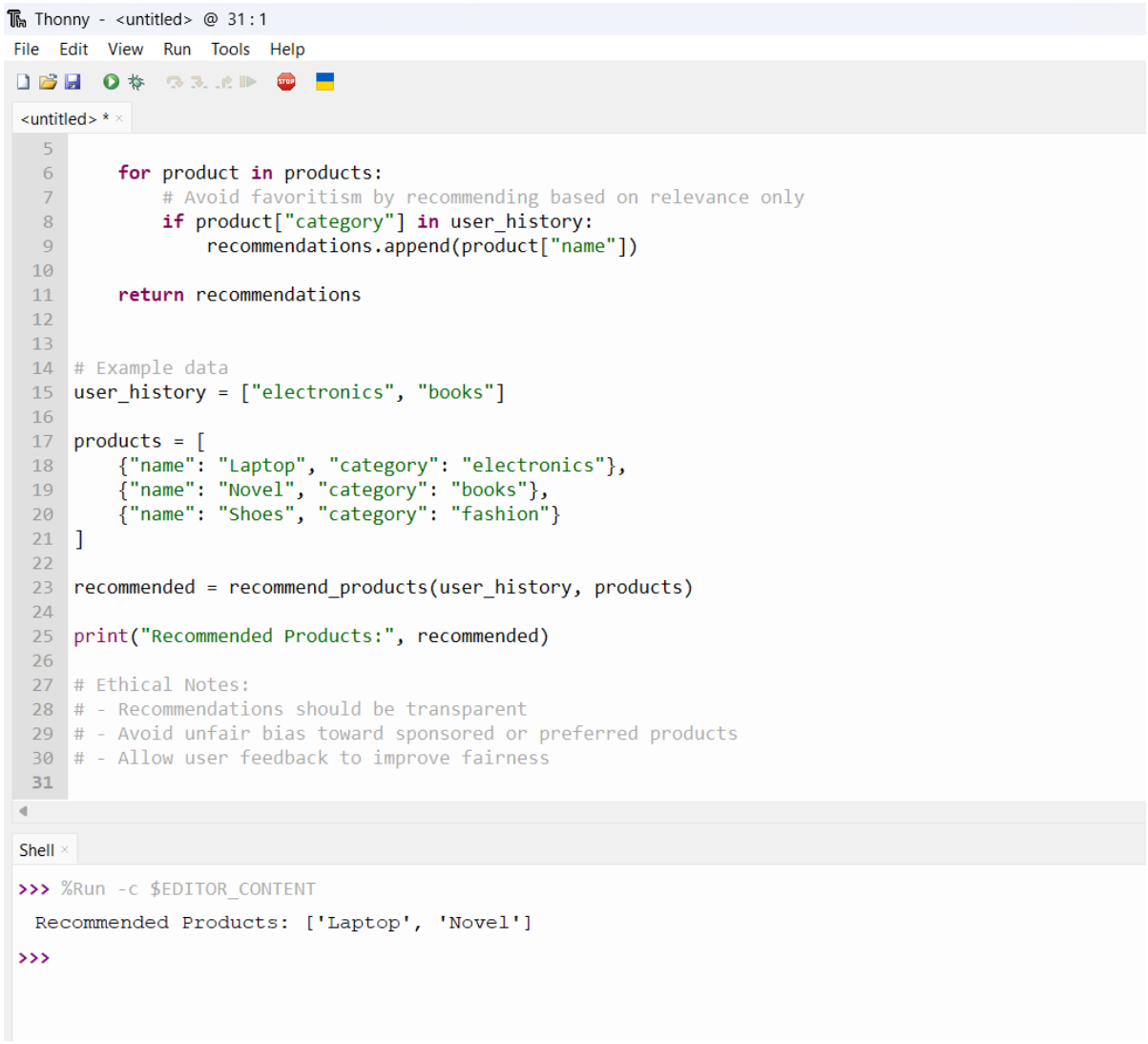
## Task1:EthicalHandlingofUserData(Privacy&Anonymization)



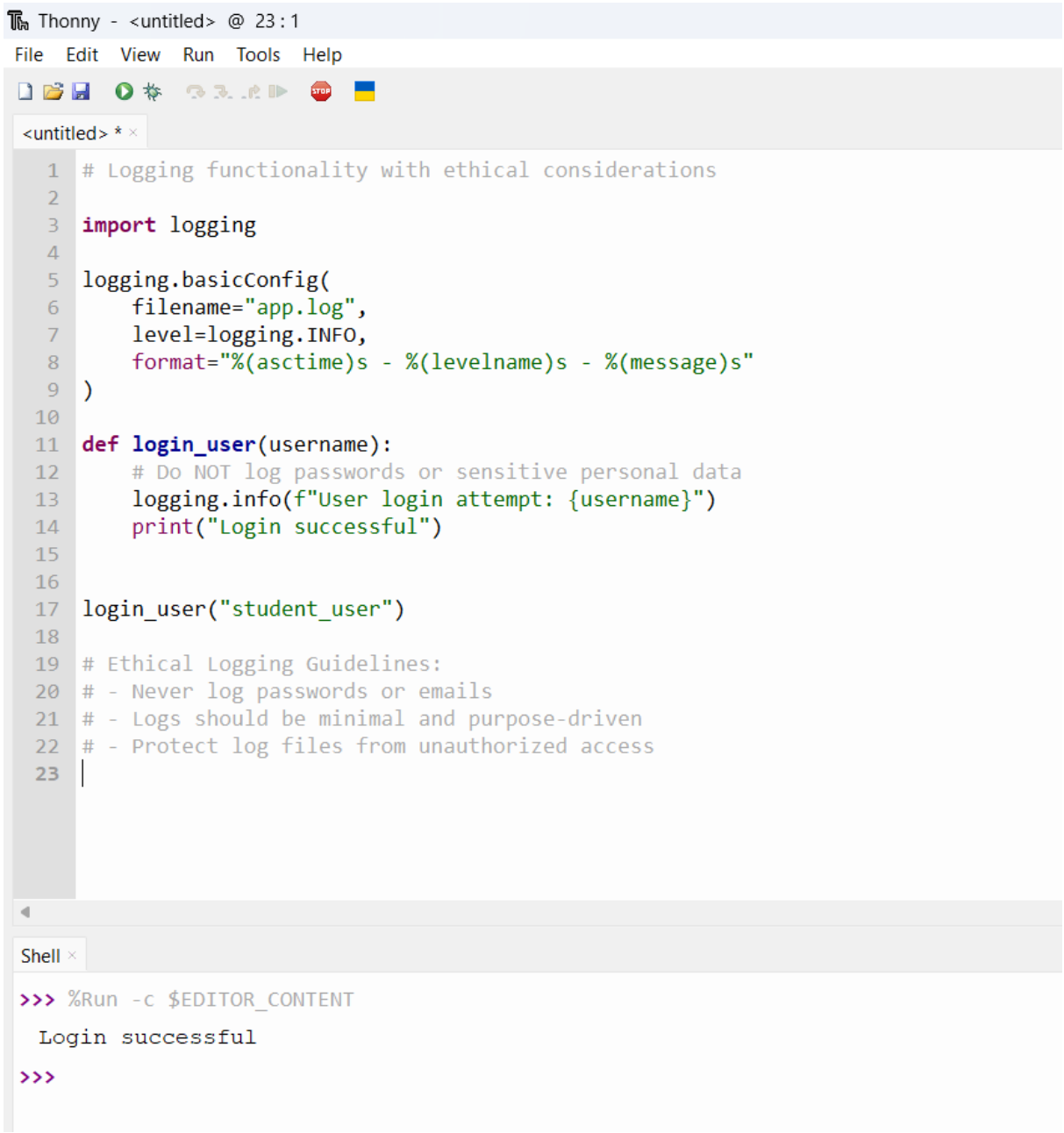

## Task2:SentimentAnalysiswithBiasAwareness



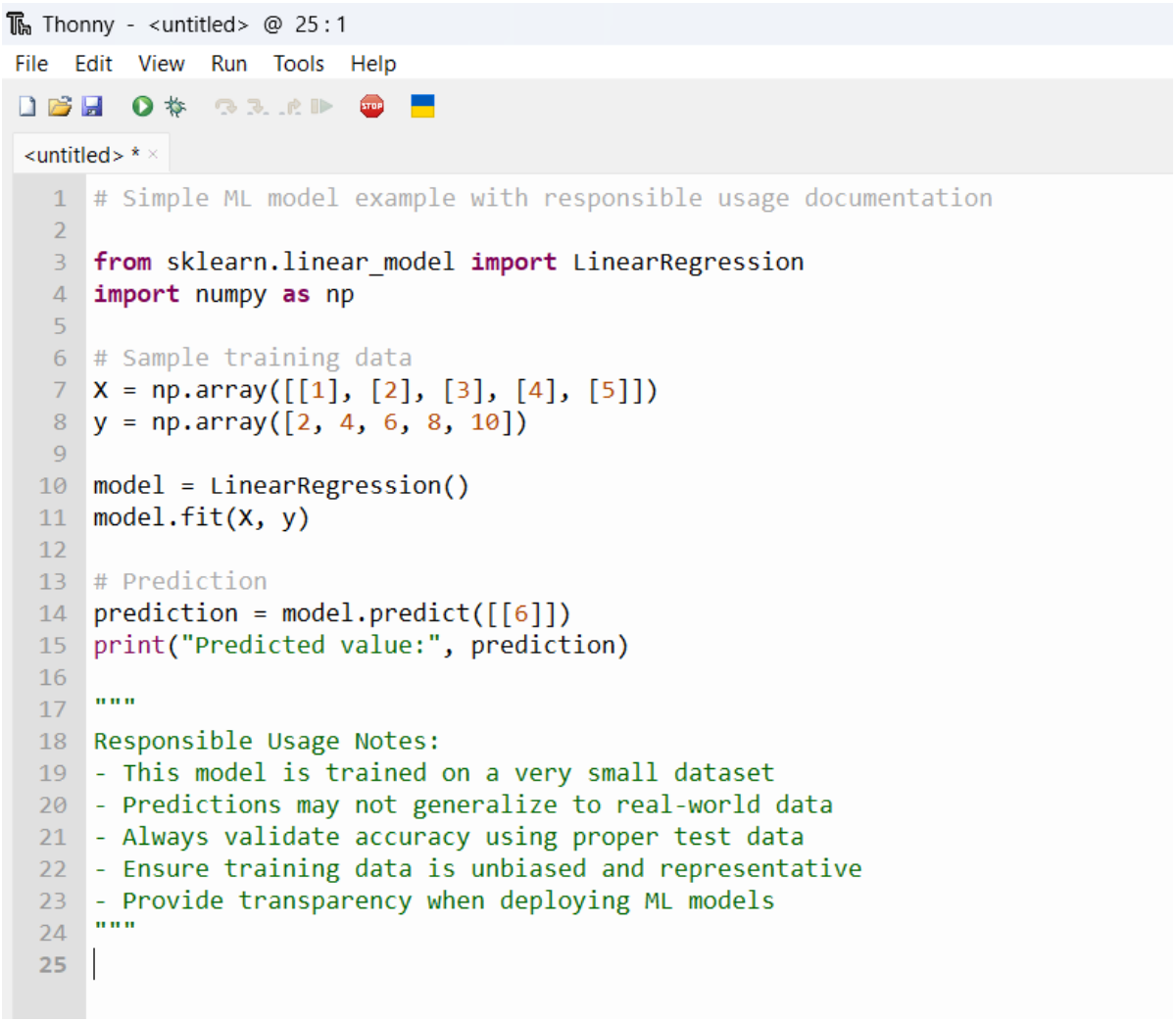

## Task3:EthicalProductRecommendationSystem




**Task4:EthicalLogging(AvoidingSensitiveData)**




**Task5:ResponsibleMachineLearningModelUsage**


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