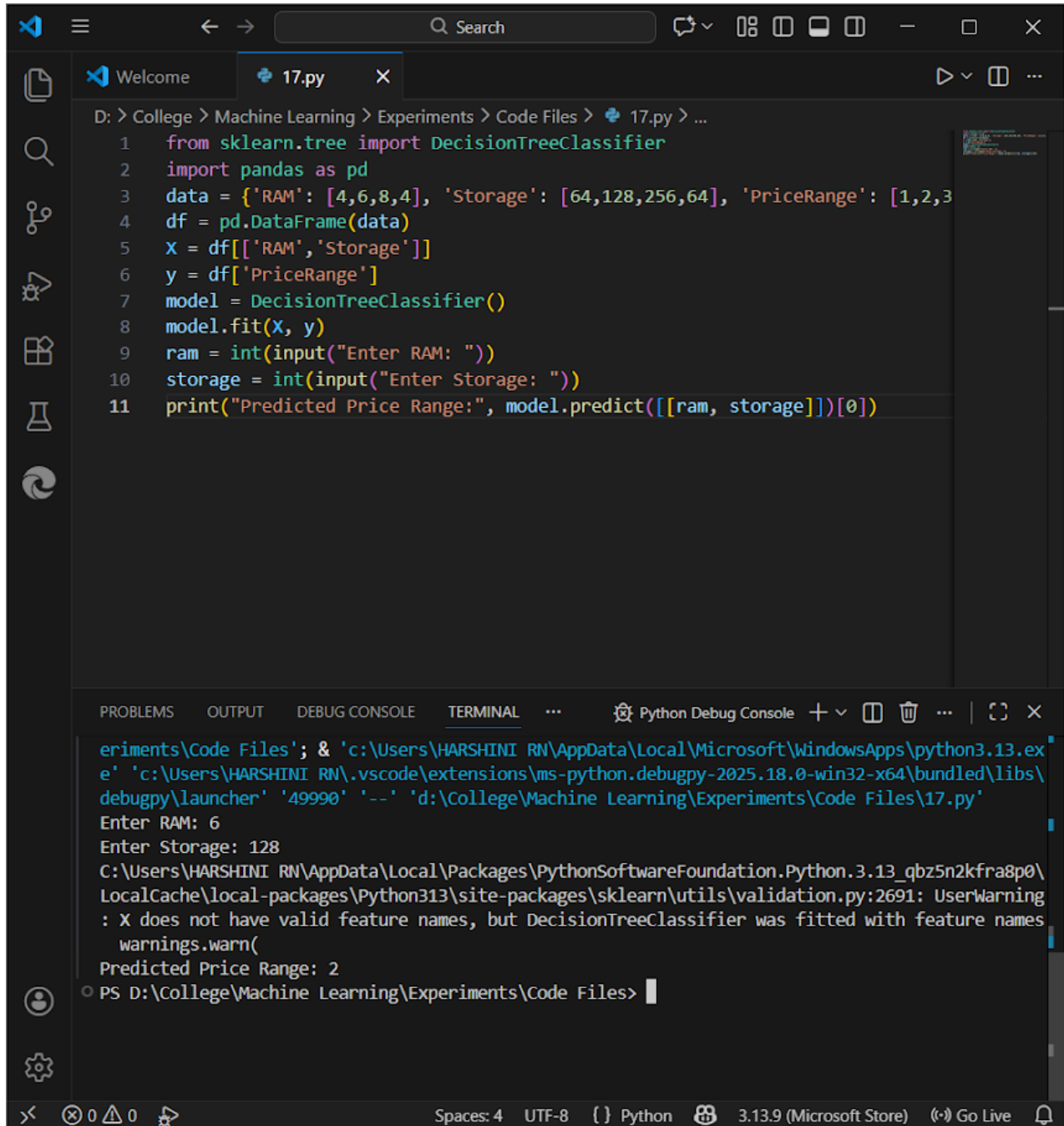


## EXPERIMENT – 17

OUTPUT:



The screenshot displays the Visual Studio Code (VS Code) interface. The editor window shows a Python file named `17.py` with the following code:

```
1 from sklearn.tree import DecisionTreeClassifier
2 import pandas as pd
3 data = {'RAM': [4,6,8,4], 'Storage': [64,128,256,64], 'PriceRange': [1,2,3
4 df = pd.DataFrame(data)
5 x = df[['RAM','Storage']]
6 y = df['PriceRange']
7 model = DecisionTreeClassifier()
8 model.fit(X, y)
9 ram = int(input("Enter RAM: "))
10 storage = int(input("Enter Storage: "))
11 print("Predicted Price Range:", model.predict([[ram, storage]])[0])
```

The terminal window at the bottom shows the execution of the script. It displays the file path, the command to run the script, and the user input for RAM (6) and Storage (128). The output is "Predicted Price Range: 2". A warning message is also visible: "UserWarning: X does not have valid feature names, but DecisionTreeClassifier was fitted with feature names".

```
eriments\Code Files'; & 'c:\Users\HARSHINI RN\AppData\Local\Microsoft\WindowsApps\python3.13.exe'
e' 'c:\Users\HARSHINI RN\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\
debugpy\launcher' '49990' '--' 'd:\College\Machine Learning\Experiments\Code Files\17.py'
Enter RAM: 6
Enter Storage: 128
C:\Users\HARSHINI RN\AppData\Local\Packages\PythonSoftwareFoundation.Python.3.13_qbz5n2kfra8p0\
LocalCache\local-packages\Python313\site-packages\sklearn\utils\validation.py:2691: UserWarning
: X does not have valid feature names, but DecisionTreeClassifier was fitted with feature names
warnings.warn(
Predicted Price Range: 2
PS D:\College\Machine Learning\Experiments\Code Files>
```