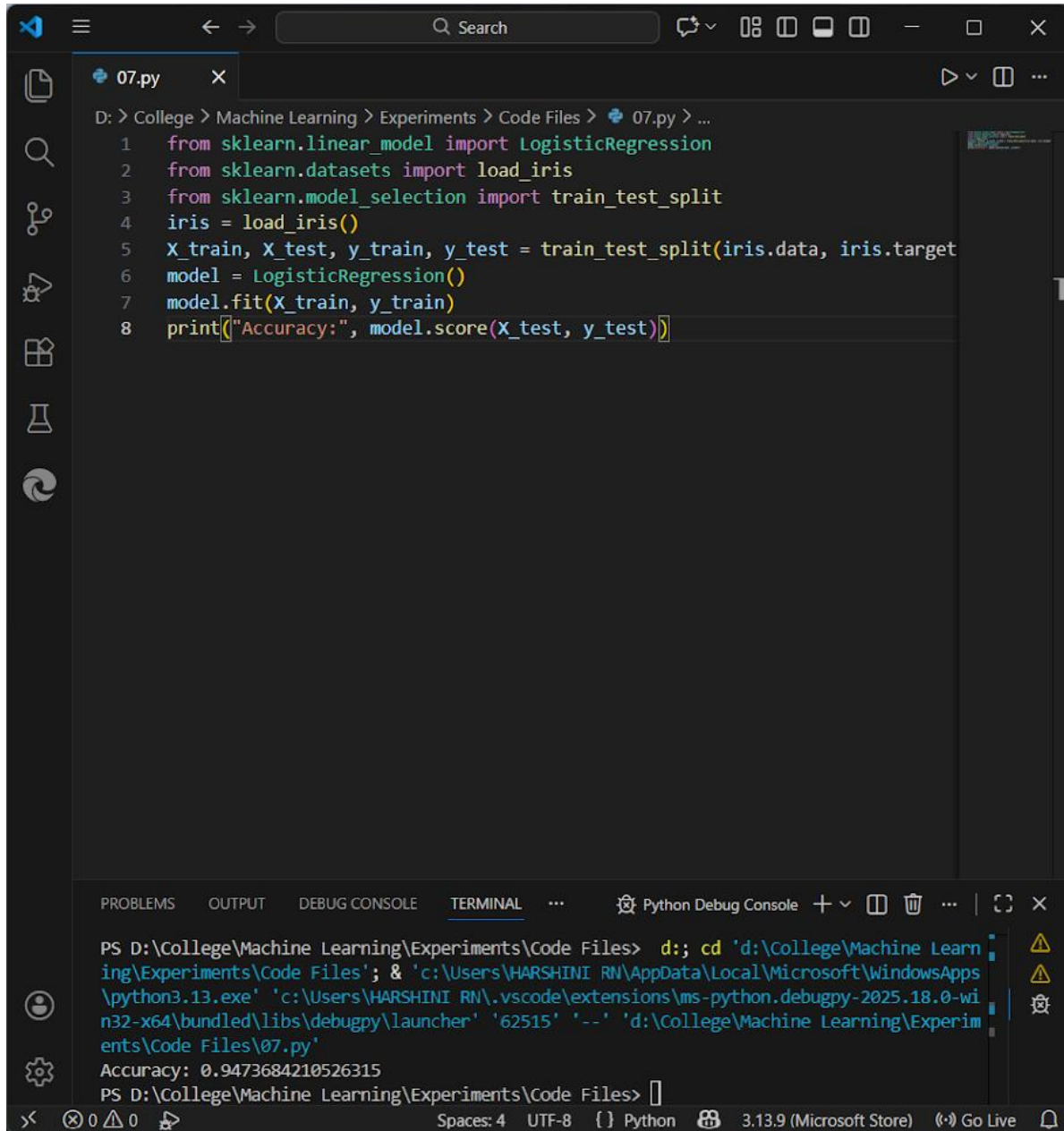


EXPERIMENT – 7

OUTPUT:



The image shows a Visual Studio Code editor window with a Python file named `07.py` open. The file contains the following code:

```
1 from sklearn.linear_model import LogisticRegression
2 from sklearn.datasets import load_iris
3 from sklearn.model_selection import train_test_split
4 iris = load_iris()
5 X_train, X_test, y_train, y_test = train_test_split(iris.data, iris.target
6 model = LogisticRegression()
7 model.fit(X_train, y_train)
8 print("Accuracy:", model.score(X_test, y_test))
```

The terminal output at the bottom shows the command prompt execution of the script, resulting in an accuracy of 0.9473684210526315.

```
PS D:\College\Machine Learning\Experiments\Code Files> d:; cd 'd:\College\Machine Learning\Experiments\Code Files'; & 'c:\Users\HARSHINI RN\AppData\Local\Microsoft\WindowsApps\python3.13.exe' 'c:\Users\HARSHINI RN\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '62515' '--' 'd:\College\Machine Learning\Experiments\Code Files\07.py'
Accuracy: 0.9473684210526315
PS D:\College\Machine Learning\Experiments\Code Files>
```

The status bar at the bottom indicates the file is encoded in UTF-8, uses 4 spaces for indentation, and is a Python 3.13.9 file.