

EXPERIMENT – 7

OUTPUT:

The screenshot shows a dark-themed instance of Visual Studio Code. In the center-left pane, there is a code editor with a file named "07.py". The code imports LogisticRegression from sklearn.linear_model, load_iris from sklearn.datasets, and train_test_split from sklearn.model_selection. It then loads the iris dataset, splits it into training and testing sets, creates a LogisticRegression model, fits it to the training data, and prints the accuracy score.

```
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))
```

Below the code editor is a terminal window titled "Python Debug Console". The terminal shows the command to run the script and the resulting accuracy score: "Accuracy: 0.9473684210526315".

At the bottom of the interface, there are several status indicators: a circular icon with a person (likely user profile), a gear (settings), a triangle (status), and a bell (notifications). The status bar also displays "Spaces: 4", "UTF-8", "Python", "3.13.9 (Microsoft Store)", and "Go Live".