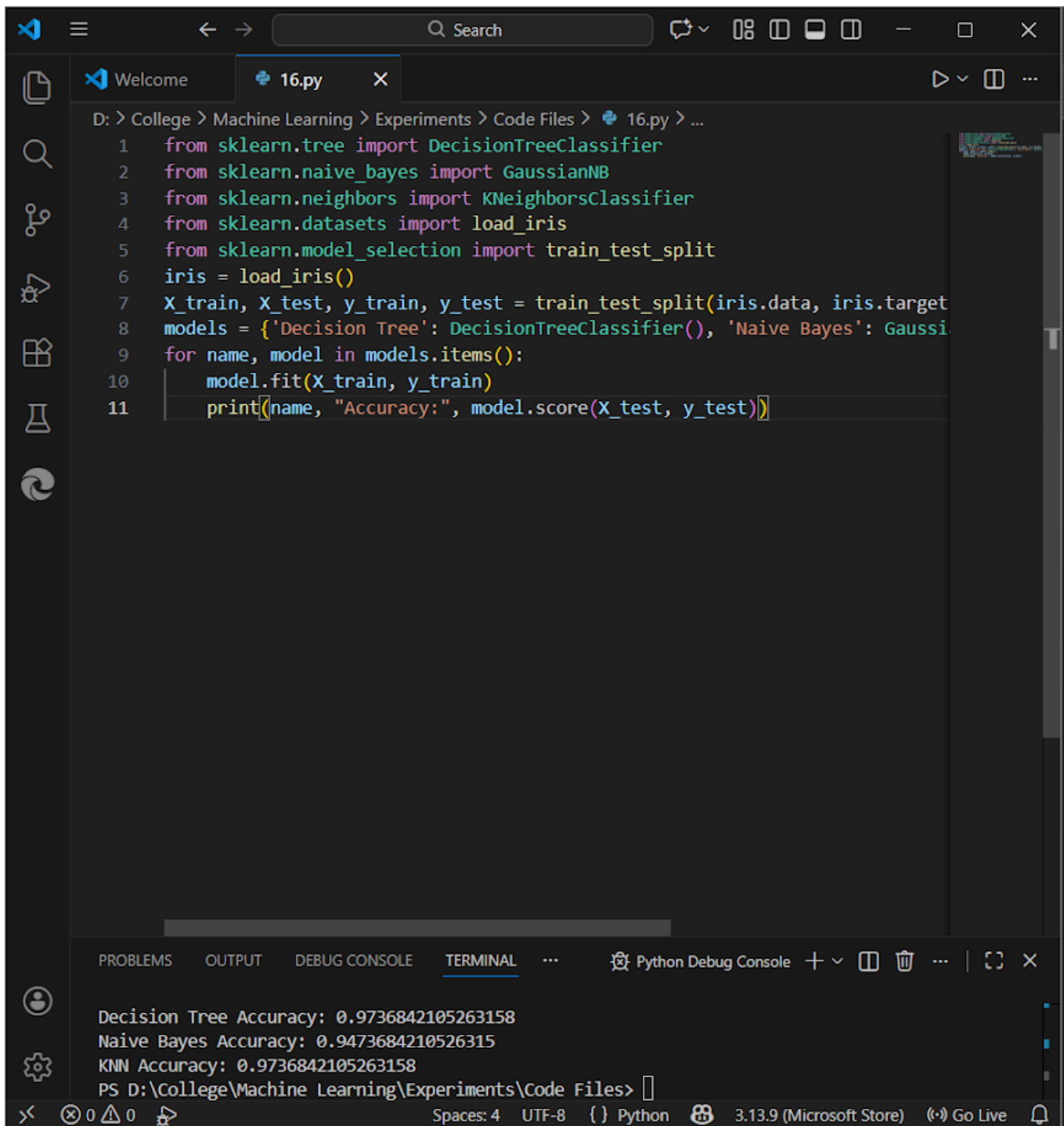


EXPERIMENT – 16

OUTPUT:



The screenshot displays the Visual Studio Code (VS Code) interface. The main editor window shows a Python file named `16.py` with the following code:

```
1 from sklearn.tree import DecisionTreeClassifier
2 from sklearn.naive_bayes import GaussianNB
3 from sklearn.neighbors import KNeighborsClassifier
4 from sklearn.datasets import load_iris
5 from sklearn.model_selection import train_test_split
6 iris = load_iris()
7 X_train, X_test, y_train, y_test = train_test_split(iris.data, iris.target
8 models = {'Decision Tree': DecisionTreeClassifier(), 'Naive Bayes': Gaussi
9 for name, model in models.items():
10     model.fit(X_train, y_train)
11     print(name, "Accuracy:", model.score(X_test, y_test))
```

The bottom panel of the VS Code window shows the **TERMINAL** tab, which contains the output of the script:

```
Decision Tree Accuracy: 0.9736842105263158
Naive Bayes Accuracy: 0.9473684210526315
KNN Accuracy: 0.9736842105263158
PS D:\College\Machine Learning\Experiments\Code Files>
```

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