

EXP:6

```
from sklearn.datasets import load_iris

from sklearn.model_selection import train_test_split

from sklearn.naive_bayes import GaussianNB

from sklearn.metrics import confusion_matrix, accuracy_score

X, y = load_iris(return_X_y=True)

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3)

model = GaussianNB()

model.fit(X_train, y_train)

y_pred = model.predict(X_test)

print("Confusion Matrix:")

print(confusion_matrix(y_test, y_pred))

print("Accuracy:", accuracy_score(y_test, y_pred))
```



The screenshot shows a terminal window titled 'IDLE Shell 3.13.7'. The window contains the following text:

```
Python 3.13.7 (tags/v3.13.7:bceelc3, Aug 14 2025, 14:15:11) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> = RESTART: C:\Users\spark\OneDrive\Pictures\Documents\Desktop\ITA-0612\EXP-6.py
Confusion Matrix:
[[19  0  0]
 [ 0 16  0]
 [ 0  0 10]]
Accuracy: 1.0
>>>
```

The status bar at the bottom right indicates 'Ln: 9 Col: 13'.