```python
import pandas as pd
from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.linear_model import Perceptron
from sklearn.metrics import accuracy_score, classification_report

iris = load_iris()

X = iris.data        # Features
y = iris.target      # Class labels

X_train, X_test, y_train, y_test = train_test_split(
    X, y, test_size=0.25, random_state=42
)

model = Perceptron(max_iter=1000, eta0=0.1, random_state=42)
model.fit(X_train, y_train)
```

```
Perceptron(eta0=0.1, random_state=42)
```

```python
y_pred = model.predict(X_test)

print("Accuracy:", accuracy_score(y_test, y_pred))
print("\nClassification Report:\n",
      classification_report(y_test, y_pred, zero_division=0))
```

```
Accuracy: 0.8421052631578947

Classification Report:
               precision    recall  f1-score   support

           0       0.88      1.00      0.94        15
           1       1.00      0.45      0.62        11
           2       0.75      1.00      0.86        12

    accuracy                           0.84        38
   macro avg       0.88      0.82      0.81        38
weighted avg       0.87      0.84      0.82        38
```

```python
# New flower sample: sepal length, sepal width, petal length, petal width
new_sample = [[5.9, 3.0, 5.1, 1.8]]

prediction = model.predict(new_sample)

print("Predicted Flower:", iris.target_names[prediction[0]])
```

```
Predicted Flower: virginica
```