

```
1 import numpy as np
2 from sklearn.linear_model import LogisticRegression
3 from sklearn.model_selection import train_test_split
4 from sklearn.metrics import accuracy_score

1 # Generate some sample data
2 X = np.array([[1, 2], [2, 3], [3, 1], [4, 3], [5, 3], [6, 2]])
3 y = np.array([0, 0, 0, 1, 1, 1])

1 # Split the data into training and testing sets
2 X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)

1 # Create a Logistic Regression model
2 model = LogisticRegression()

1 # Train the model
2 model.fit(X_train, y_train)

▼ LogisticRegression
LogisticRegression()

1 # Make predictions on the test set
2 y_pred = model.predict(X_test)

1 # Calculate the accuracy of the model
2 accuracy = accuracy_score(y_test, y_pred)
3 print("Accuracy:", accuracy)

📄 Accuracy: 0.5
```