```
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score
from sklearn import datasets


iris = datasets.load_iris()
df = pd.DataFrame(data=iris.data, columns=iris.feature_names)
df['target'] = iris.target



X = df.drop('target', axis=1)
y = df['target']
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3, random_state=0)



logreg = LogisticRegression(max_iter=1000) # Increased max_iter to ensure convergence
logreg.fit(X_train, y_train)
```

```
LogisticRegression
LogisticRegression(max_iter=1000)
```

```
y_pred = logreg.predict(X_test)
```

+ Code + Text

```
accuracy = accuracy_score(y_test, y_pred)
print(f"Accuracy of Logistic Regression model: {accuracy}")
```

```
Accuracy of Logistic Regression model: 0.9777777777777777
```

Start coding or generate with AI.