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From sklearn import datasets

From sklearn.model_selection import train_test_split

From sklearn.svm import SVC

From sklearn.metrics import classification_report, accuracy_score


# Load the Iris dataset

Iris = datasets.load_iris()

X = iris.data  # Features

Y = iris.target  # Labels


# Split the data into train and test sets (80% train, 20% test)

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
random_state=42)


# Create the SVM classifier

Svm_classifier = SVC(kernel='linear')  # Using linear kernel


# Train the classifier

Svm_classifier.fit(X_train, y_train)


# Predict on the test set

Y_pred = svm_classifier.predict(X_test)


# Print the results

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

Print("\nClassification Report:\n", classification_report(y_test, y_pred))

Output :

Accuracy: 1.0

Classification Report:

	Precision	recall	f1-score	support
0	1.00	1.00	1.00	10
1	1.00	1.00	1.00	10
2	1.00	1.00	1.00	10
Accuracy			1.00	30
Macro avg	1.00	1.00	1.00	30
Weighted avg	1.00	1.00	1.00	30