

```

Importing necessary libraries
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.svm import SVC
from sklearn.metrics import accuracy_score
import matplotlib.pyplot as plt
from sklearn.datasets import load_iris

# Load the Iris dataset
iris = load_iris()
data = pd.DataFrame(data=iris.data, columns=iris.feature_names)
data['target'] = iris.target

# Display the first few rows of the dataframe
print(data.head())

# Splitting the data into features and target variable
X = data.drop('target', axis=1) # Features
y = data['target'] # Target variable

# Splitting the dataset into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y,
test_size=0.2, random_state=42)

# Creating the SVM classifier
svm_classifier = SVC(kernel='linear')

# Training the classifier on the training data
svm_classifier.fit(X_train, y_train)

# Making predictions on the test data
y_pred = svm_classifier.predict(X_test)

# Calculating the accuracy of the model
accuracy = accuracy_score(y_test, y_pred)
print("Accuracy:", accuracy)

```

	sepal length (cm)	sepal width (cm)	petal length (cm)	petal width
0	5.1	3.5	1.4	
0.2				
1	4.9	3.0	1.4	
0.2				
2	4.7	3.2	1.3	
0.2				
3	4.6	3.1	1.5	
0.2				

4	5.0	3.6	1.4
0.2			

	target
0	0
1	0
2	0
3	0
4	0

Accuracy: 1.0