

```
from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LogisticRegression
from sklearn.naive_bayes import GaussianNB
from sklearn.neighbors import KNeighborsClassifier
from sklearn.tree import DecisionTreeClassifier
from sklearn.svm import SVC
from sklearn.metrics import accuracy_score

iris = load_iris()
X = iris.data
y = iris.target

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

models = {
    "Logistic Regression": LogisticRegression(max_iter=200),
    "Naive Bayes": GaussianNB(),
    "KNN": KNeighborsClassifier(n_neighbors=5),
    "Decision Tree": DecisionTreeClassifier(),
    "SVM": SVC()
}

print("Algorithm Performance:\n")

for name, model in models.items():
    model.fit(X_train, y_train)
    y_pred = model.predict(X_test)
    accuracy = accuracy_score(y_test, y_pred)
    print(f"{name}: Accuracy = {accuracy:.2f}")
```

Algorithm Performance:

```
Logistic Regression: Accuracy = 1.00
Naive Bayes: Accuracy = 1.00
KNN: Accuracy = 1.00
Decision Tree: Accuracy = 1.00
SVM: Accuracy = 1.00
```