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#Project Title : Prediction of "Iris.csv" data set for Decision Tree algorithm using Supervised Machine Learning Algorithm

problem statement :

A American based Botanical garden grow Iris flower in their labs but using bio techonology in a single Tree different types of variety flower is grow. Find out as a Data Science Engineer how much accuracy is there all category contain same species.

##Conclusion : According to My Decison the Accuracy would be 1%

```
from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.tree import DecisionTreeClassifier
from sklearn.metrics import accuracy_score

# Load the Iris dataset
iris = load_iris()
X = iris.data
y = iris.target

# Create a Decision Tree classifier
decision_tree = DecisionTreeClassifier()

# Train the classifier on the training data
decision_tree.fit(X_train, y_train)

DecisionTreeClassifier()

# Make predictions on the test data
y_pred = decision_tree.predict(X_test)

# Calculate accuracy
accuracy = accuracy_score(y_test, y_pred)
print(f"Accuracy: {accuracy:.2f}")

Accuracy: 1.00
```