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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 accurcy is there all category contain same spacies.

##Conclusion : According to My Decison my 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
v = 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
```