Put the following code after Lab 5's code. You must have done **train_test_split** part in Lab 5, otherwise it won't work. The codes are copied from the notebooks provided in **buX**. So it should not be reported for plagiarism.

```
#Logistic Regression

import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import classification_report
from sklearn.metrics import accuracy_score

#Train the model
model = LogisticRegression()
model.fit(X_train, y_train) #Training the model
predictions = model.predict(X_test)
s1 = accuracy_score(y_test, predictions)
print(s1)


#Decision Tree

from sklearn.tree import DecisionTreeClassifier
clf =
DecisionTreeClassifier(criterion='entropy',random_state=1)
clf.fit(X_train,y_train)
y_pred = clf.predict(X_test)
s2 = accuracy_score(y_pred,y_test)
print(s2)


#Bar Chart

plt.bar(['Logistic Regression', 'Decision Tree'],[s1, s2])
plt.title('Comparing Accuracy')
plt.show()
```