```
# import numpy as np
import pandas as pd
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score
from matplotlib import pyplot as plt
# matplotlib inline

data = pd.read_csv('Insurance.csv')

print(data.shape)
print(data)

age = data.drop('buy', axis=1)

train_x = age[:17]
test_x = age[-10:]

train_y = data.buy[:17]
test_y = data.buy[-10:]

plt.scatter(data.age,data.buy,marker='+',color='red')

model = LogisticRegression()
model.fit(train_x, train_y)

y_predicted = model.predict(test_x)
print(y_predicted)

train_Acc = model.score(train_x, train_y)
print(train_Acc)

print(test_y)
test_Acc = accuracy_score(test_y, y_predicted)
print(test_Acc)
```