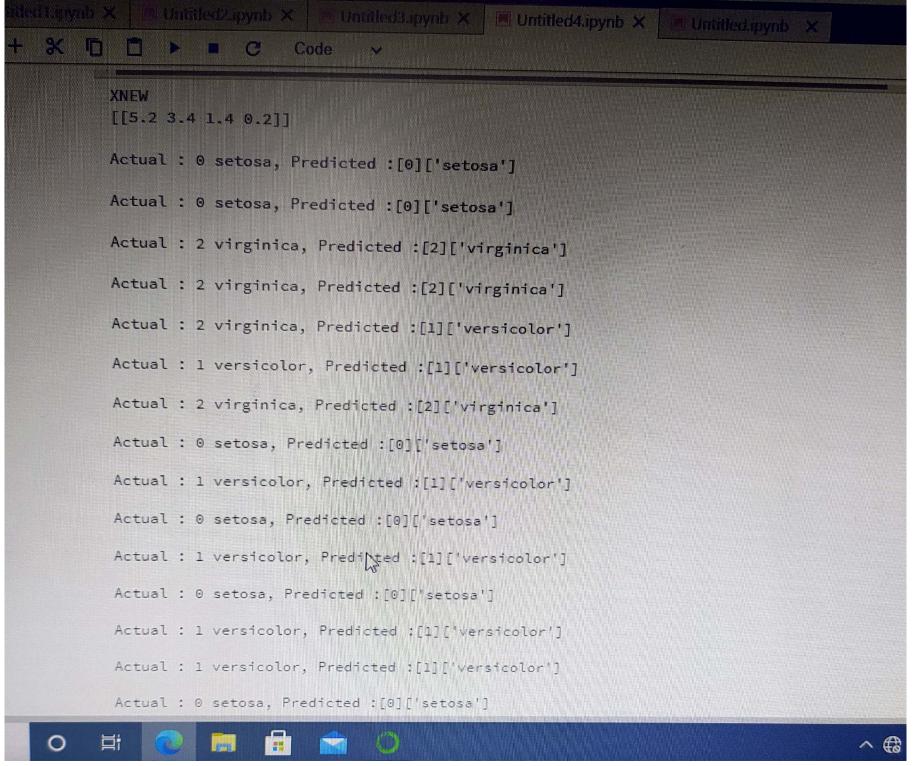
```
In [9]: import csv
import pandas as pd
 from sklearn import datasets
 from sklearn.neighbors import KNeighborsClassifier
 from sklearn.model_selection import train test_split
 from sklearn import metrics
 import numpy as np
 iris = datasets.load iris()
 X_train, X_test, y_train, y_test = train_test_split(iris.data, iris.target)
 model = KNeighborsClassifier(n_neighbors=3)
 model.fit(X_train, y_train)
 model.score
 metrics.accuracy score(y test, model.predict(X_test))
 i = 1
 x = X \text{ test[i]}
 x new = np.array([x])
 print("\n XNEW \n", x new)
  for i in range(len(X_test)):
      x = X test[i]
    γ x_new = np.array([x])
      prediction = model.predict(x_new)
      print("\n Actual : {0} {1}, Predicted : {2}{3}".format(y_test[i], iris["target_names"][y_test[i]], predictio
  print("\n TEST SCORE[ACCURACY]: {:.2f}\\n".format(model.score(X_test, y_test)))
```



Actual: 2 virginica, Predicted:[2]['virginica'] Actual: 1 versicolor, Predicted:[1]['versicolor'] Actual: 1 versicolor, Predicted:[1]['versicolor'] Actual : 1 versicolor, Predicted :[1]['versicolor'] Actual : 1 versicolor, Predicted :[1]['versicolor'] Actual : 1 versicolor, Predicted :[1]['versicolor'] Actual: 0 setosa, Predicted: [0]['setosa'] Actual: 2 virginica, Predicted: [2]['virginica'] Actual: 0 setosa, Predicted: [0]['setosa'] Actual : 0 setosa, Predicted :[0]['setosa'] Actual : 1 versicolor, Predicted :[1]['versicolor'] Actual : 1 versicolor, Predicted :[1]['versicolor'] Actual : 0 setosa, Predicted :[0]['setosa'] Actual : 1 versicolor, Predicted :[1]['versicolor'] Actual : 1 versicolor, Fredicted :[1]['versicolor'] Actual : 1 versicolor, Predicted :[1]['versicolor']











Actual : 0 setosa, Predicted :[0]['setosa']

Actual : 0 setosa, Predicted : [0]['setosa']

Actual : 0 setosa, Predicted :[0]['setosa']

TEST SCORE[ACCURACY]: 0.95

Object `sklearn` not found.

In [10]: sklearn?

Actual : 2 virginica, Predicted :[2]['virginica']

Actual : 2 virginica, Predicted :[1]['versicolor']

^ (€ (D))