

```
1 #importing required modules
2 from sklearn import datasets
3 from sklearn.neighbors import KNeighborsClassifier
4
5 #loading iris dataset from sklearn
6 iris = datasets.load_iris()
7
8 #loading features from iris dataset
9 features = iris.data
10 #loading labels form iris dataset
11 labels = iris.target
12
13 #print(features[0], labels[0])           #printing 1st record from iris
    dataset
14
15 #creating a classifier
16 clf = KNeighborsClassifier()
17 #training the classifier
18 clf.fit(features, labels)
19
20 #predicting results
21 pred = clf.predict([[9.1, 9.5, 6.4, 0.2]])
22 print(pred)
23
```

Output:

```
PS C:\Users\prath\Desktop\Coding> & "c:/Users/prath/Desktop/Coding/Machine Learning/learning_ml/Scripts/Activate.ps1"
(learning_ml) PS C:\Users\prath\Desktop\Coding> & "c:/Users/prath/Desktop/Coding/Machine Learning/learning_ml/Scripts/python.exe" "
c:/Users/prath/Desktop/Coding/Machine Learning/kneighbors_classifier.py"
```

```
[2]
```