

EXP:12

```
from sklearn.datasets import load_iris

from sklearn.neighbors import KNeighborsClassifier

iris = load_iris()

X = iris.data

y = iris.target

model = KNeighborsClassifier(n_neighbors=3)

model.fit(X,y)

sl = float(input("Sepal Length: "))

sw = float(input("Sepal Width: "))

pl = float(input("Petal Length: "))

pw = float(input("Petal Width: "))

print("Iris Class =", model.predict([[sl,sw,pl,pw]])[0])
```



```
IDLE Shell 3.13.7
File Edit Shell Debug Options Window Help
Python 3.13.7 (tags/v3.13.7:bceelc3, Aug 14 2025, 14:15:11) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> = RESTART: C:\Users\spark\OneDrive\Pictures\Documents\Desktop\ITA-0612\EXP-12.py
Sepal Length: 5.1
Sepal Width: 3.0
Petal Length: 4.1
Petal Width: 2.3
Iris Class = 1
>>>
```