

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.

```
>>> [REDACTED]  
>>> Sepal Length: 5.1  
>>> Sepal Width: 3.0  
>>> Petal Length: 4.1  
>>> Petal Width: 2.3  
>>> Iris Class = 1  
>>> |
```

Ln: 10 Col: 0