

Build an Artificial Neural Network by implementing the Backpropagation algorithm and test the same using appropriate data sets

Code

```
from sklearn.neural_network import MLPClassifier

from sklearn.datasets import load_iris

X, y = load_iris(return_X_y=True)

clf = MLPClassifier(max_iter=2000)

clf.fit(X, y)

print("Accuracy:", clf.score(X, y))
```

Output

A screenshot of a Python IDE window. The title bar shows 'File Edit Shell Debug Options Window Help'. The main text area displays the following content: 'Python 3.14.2 (tags/v3.14.2:df79316, Dec 5 2025, 17:18:21) [MSC v.1944 64 bit (AMD64)] on win32', 'Enter "help" below or click "Help" above for more information.', a red prompt '>>>' followed by a blue line 'Accuracy: 0.98', and another red prompt '>>>'. A status bar at the bottom shows 'RESTART: C:\Users\dines\Downloads\ML\_Lab\exp 01.py'.