Practical 6 Exercise:

1. Implement a neural network (NN) to classify the iris data. You may reuse the code from the previous practical for data preprocessing.
    a. Train the NN with
        i. 4 input neurons (to feed in 4 attributes of iris data)
        ii. 2 hidden layers with 5 neurons each
        iii. 1 output layer with 3 neurons (represent 3 iris classes)
    b. Simulate the network using same input and evaluate the output. Please discuss the output with tutor.

Hints:

(a) To create the target in NN, represent the iris class (or target) with 150 * 3 array. Each column represents respective class and indicate "1" as true and "0" as false. For example: if the first instance is Iris-setosa, then:

Iris-Setosa	Iris-Versicolor	Iris-Virginica
1	0	0

References:

Neurolab documentation is available at https://pythonhosted.org/neurolab/