There are three layers :

1. Input Layer
2. Hidden Layer
3. Output Layer

In the hidden layer, the number of neurons could be changed from 1 to 5. Each neuron has n\_input+1 weights where n\_input is the number of inputs in a row and last weight for bias.

In the output layer, the number of neurons is the number of output values i.e. number of actual classes. Each neuron has n\_hidden+1 weights where n\_hidden is the number of neurons in the hidden layer.

The output I have got is given below:

Number of hidden Layer 1 Accuracy 100.0

Number of hidden Layer 2 Accuracy 100.0

Number of hidden Layer 3 Accuracy 100.0

Number of hidden Layer 4 Accuracy 100.0

Number of hidden Layer 5 Accuracy 100.0