# LAB SESSION 03 EXERCISES

#### Come up with some Real-world problem, generate and train an ANN for it and then query the network. Mention the Input and Output parameters.

##### Inputs:

***MinTemp – Real MaxTemp – Real Rainfall – Real WindGustDir – Text***

***WindGustSpeed – Integer Humidity9am – Integer Humidity3pm – Integer Pressure9am – Real Pressure3pm – Real Temp9am – Real Temp3pm – Real RainToday – Boolean***

##### Output:

***RainTomorrow – Boolean***

#### In continuation with Exercise 1 fill in the following entries:

***Number of Output Categories: 1 Number of Data Rows: 350 Number of Training Rows: 280 Number of Testing Rows: 70 Learning Rate: 0.6***

***Momentum: 0.7 Number of Layers: 3 Size of Layers:***

***Input Layer – 12 Neurons Hidden Layer – 7 Neurons Output Layer – 1 Neuron***

***Number of Cycles for Training: 1753 Percentage of Correctness in Results: 87.6%***