# Lab Scenario

In this lab, you will learn how to train a neural network model and then test it with new data using the Python programming language. The neural model considered here comprises four input neurons and one output neuron. The model is given a labelled data for training which consists of exam scores of a student which have been calculated on the bases of the number of hours he/she played, studied and slept the day before every exam.

**Sample data of the student**

|  |  |  |  |
| --- | --- | --- | --- |
| **Input Data** | | | **Output Data** |
| **Playing** | **Studying** | **Sleeping** | **Score** |
| 2 | 5 | 4 | 75 |
| 1 | 6 | 7 | 82 |
| 3 | 4 | 6 | 96 |
| 2 | 6 | 5 | 81 |
| 3 | 5 | 7 | ? |