LAB EXERCISE on DEEP LEARNING - 1: (MLP or Multi-Layered ANN):

1. Construct a multi-layer neural net (you choose the number of layers – and justify your choice), with two input values x_1 and x_2 that outputs 1 if $x_1 > x_2$ and 0 otherwise.

2. **Predicting House Prices using Deep Learning:**

   You have been given a dataset of house prices with various features such as the number of bedrooms, size of the house, how many years old, and location. Your task is to build a deep learning model to predict the price of a house based on these features.

   HOUSING RENTAL MARKET DATA:

Serial No.	No. of bedrooms	Carpet Area (sq. ft.)	Years Old	Location	Rent (per month) Rs.
1	3	1,500	10	Good	40,000
2	3	2,000	5	Medium	32,000
3	4	2,500	10	Poor	25,000
4	2	1,000	3	Good	25,000
5	2	1,200	5	Medium	22,000
6	4	2,200	15	Good	50,000
7	2	1,000	10	Poor	12,000
8	5	3,000	15	Good	60,000
9	3	1,600	12	Good	35,000
10	4	2,600	8	Medium	50,000
12	3	1,750	6	Good	38,000
13	2	900	10	Good	20,000
14	2	1,100	12	Poor	15,000
15	3	1,800	18	Medium	27,000