Instructions

1. Hopefully y'all attended the linear regression lecture and got familiar with the concepts of gradient descent. The notebook is attached as linear_regression.ipynb .

2. If you haven't attended the lecture, the recording will soon be made available. Gradient descent and loss functions are very important concepts in neural networks.

3. Watch the introduction to tensorflow video which will familiarize you with what tensors are. This will act as a base for all the neural network code that you write.
   https://www.youtube.com/watch?v=HPjBY1H-U4U&t=16s

4. Note that tensorflow is similar to numpy but with slightly different syntax. Here the matrices are called "tensors". Any mathematical manipulation while writing code for neural networks will involve tensors instead of numpy arrays as that is what the framework understands.

5. Solve the intro to ANN notebook (attached as ANN.ipynb).
   This notebook has resources included in it and you must go through each and every resource video provided in this notebook before trying to solve it. The solutions are 'commented' for your reference. Next week you'll have a task with no given solutions so make sure you understand this as much as possible.

6. Raise any queries in your learning period groups.

HAPPY DEEP LEARNING !