HW4: implement a simple neural network

Implement a neural network that can learn XOR function using Python.
You may want to first implement neurons for AND, OR, etc and then connect them together to form a XOR NN.

Tip: You can set the weights as needed.

Your delivery:
1. Your **source code**: **Put a link** of your Google Colab Python code (remember to set the **sharing** setting as "**anyone with the link can edit/view**").
2. Your **report** does not need to be long, just some description on how you design your network and what input values did you use to test your neural network? **Does the output match the XOR truth table**?

Grading (20 points):
1. Team: Use the same team as your HW3.
2. Send your code link and your report to xun.jiao@villanova.edu and dma2@villanova.edu, with **subject title** ECE 5400 HW4. (**cc all of your teammates**).

Deadline:
1. By Mar.30, 3:00pm.