Google colab

To test Deep Learning programs, you can use Google colab, available at this link:
https://colab.research.google.com/notebooks/gpu.ipynb
It allow to runs your codes online for free.
Don't forget to enable GPU : in Edit then notebook settings, enable GPU hardware accelerator.

For more details :
https://www.kdnuggets.com/2018/02/google-colab-free-gpu-tutorial-tensorflow-keras-pytorch.html

First model with Keras

The goal is to run your first model on tensorflow.
Again on movie reviews, you will predict positivity or negativity.
At the difference of last time, you will use a dense neural network on a binary classification problem.

To begin, we will follow the official tutorial on tensorflow :
https://www.tensorflow.org/tutorials/keras/basic_text_classification

The differents steps are :
        - load the movie datas
        - vectorize the datas
        - build the model
        - create a validation set
        - train the model
        - evaluate the model

This framework is the most easiest possible to deal in order to manage text datas on tensorflow but it will be useful to understand how it works, explaining each steps that are common to others problems.