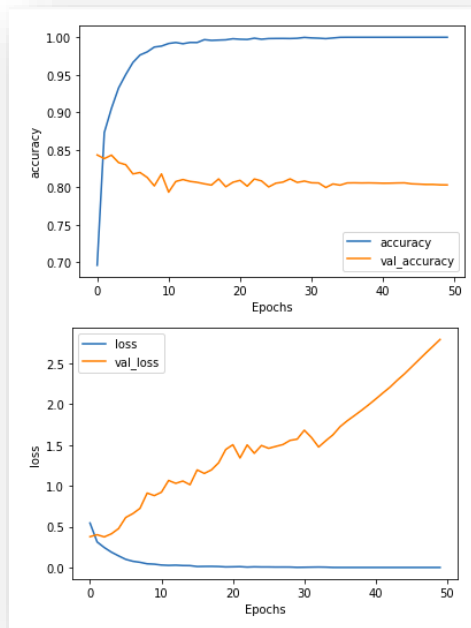As you can see that I am getting very less validation accuracy and Vary large validation loss in my model

This is because:

1) I have **not used** Google's **pre trained model** for transfer learning because I have to show whole embedding process from my own dataset

2) We can see that Training accuracy is perfect 1 and Validation accuracy is very less. This concludes that out model is correct, it is just suffering from **heavy overfitting**.

   This overfitting can be reduced if we create embeddings using larger dataset (For example, size of dataset should be at least 15,000 – 20,000 for training set **but our dataset size is only around 2500 due to unavailability of labelled data on the internet**). Because in large dataset we do not face that much OOV problem (Out of vocabulary problem)

   To confirm that our Sequential neural network model is correct, I have trained large IMDB dataset using same model. Google-colab notebook Link: https://drive.google.com/open?id=1LjWU-NWdUrw20Xfoq1_IAuGHG1NYen3D

   *We can see that validation accuracy is 80% using the same model, that means model is functioning working normally even without using transfer learning .