Fine Print first :)

- Try your assignment with a smaller corpus initially.

- If you are familiar with functional-style programming, use it.

- Write at least 1-3 lines of comments for every function.

- Share the working code.

- Python notebooks should be available on the Colab platform (Google).

- Please make sure that all the results are available when you share them. Incomplete python notebooks will not be evaluated.

- Share your notebooks to ramaseshan.ta@gmail.com and aslahahmadfaizi@gmail.com with viewing rights.

- We will not run/change your Python notebook.

- If no result was found, the assignment will NOT be evaluated.

- Follow the same naming convention as followed in assignment one.

- Assignments will not be graded if they are sent to personal email ids as attachments. Use the share option of Colab to be considered for evaluation.

Abstract Generation using RNN/LSTM/GRU

Implement a **contextualized language model** using a two-layer vanilla RNN/LSTM/GRU using any machine learning library (PyTorch, Tensorflow, etc.) you are familiar with. Implement a small language model with a maximum of two hidden layers for forward and backward LM.

Input - Abstracts from COVID-19 corpus. Initially, try with a hundred abstracts before extending to the entire corpus.

Plot the error graph during the training process. Generate abstracts (at least 3) using your trained model. Write a few lines on your approach and results. If you did not get the expected results, comment on the possible reasons for sub-optimal results. **The purpose is to understand the concept of contextualized text generation. I am not expecting perfect/optimal results.**

Tasks	Total marks
Setting the layer parameters, hyper parameters	20 marks
Implementation of Encoder	20 marks
Implementation of Decoder	20 marks
Training	20 marks
Results	20 marks