Natural Language Processing
Final Project
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Out date: 6-5-2023
Due date: 3-6-2023

Note: This project is a team work project, but the mark is not necessarily to be same for all team members.

Machine Translation from English to Arabic is considered a sequence to sequence problem which can be implemented using RNN or Transformer. You are given one file that contains English and its translated Arabic text. You should build complete models that can translate English text to Arabic using:

1. **RNN Encoder-Decoder model with attention.**
2. **Transformer with only encoder and decoder block.**

** These models should be able to decode the testing English words to Arabic words.

What to submit:

1. A report that explains all actions and configurations you did to complete the experiments in addition to the results of comparison.
2. Two Jupyter Notebooks (one for each model)