E0 334 - Deep Learning for NLP

Assignment 4

Part (a) Validation set results due by 25th Oct, 11:59 PM,

Part (b) Test set results due by 26th Oct, 7:00 PM

Note: Use the following links for submitting your results of Assignment 4.

For Part (a): `https://forms.office.com/r/xT1Jsx3RML`

For Part (b): `https://forms.office.com/r/xT62NV3VTY`

Problem:

In this assignment, you will design a neural architecture to solve simple arithmetic word problems. The problem can be treated as a machine translation problem from English language text to the language of arithmetic expressions. The output arithmetic expression (denoted as Equation in the data file) can be processed using the Input Numbers to produce the final Output.

The training dataset is available in the file 'ArithOpsTrain'.

The test set will consist of the following information - Description, Question and Input Numbers. A sample test file, 'SampleTestFile', is provided for your reference. Your neural architecture is expected to generate a single number as an Output for every test set instance. The format for the storing the test set output is provided in the file - 'OutputFileFormatForAssignment4'. The test data output file (in the given format) should be uploaded while filling in the required form details.

The test set will be made available by **26th Oct, 6:30 PM**.