***Pre-requisites***

1. Install Laser from the following link: <https://github.com/facebookresearch/LASER>

***Process to obtain cosine similarity for the input***

1. The input file must be a collection of source and target language sentence separated with a tab.

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***Input processing***

1. ***To execute the laser\_ip.sh script use following command***:

./laser\_ip.sh

***About laser\_ip.sh***

1. *The laser\_ip.sh is a combination of new\_chunk.sh & EH\_sep.sh.*
2. *The new\_chunk.sh creates folders that are same in number as the number of sentences present in input files i.e. if the input file has 6 sentences of source-target language then 6 folders are created for each.*
3. *EH\_sep.sh separates all the source-target sentences into separate folders previously created using new\_chunk.sh. The source sentence and target sentence will be stored in separate files inside the folders.*

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***Result generation process***

1. ***To execute the laser\_op.sh script use following command:***

./laser\_op.sh

***About laser\_op.sh***

1. *The laser\_op.sh is a combination of raw.sh & LaserScore.py.*
2. *The raw.sh creates raw binary vectors of the individual files created by EH\_sep.sh script.*
3. *The LaserScore.py is a python code that processes the individual raw binary vectors of the sentences and provides the distance between the source and target sentence*
4. *After execution of laser\_op.sh the final result is displayed over the terminal*

***Note: Sample format for a input file is given in the repository named as ‘testfile’.***