# UNDERSTANDING NATURAL LANGUAGES: Samskrita as a case study

## Project:

Write code to translate the following paragraph with the Karaka based Interface model

## Team Members:

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|---|---|
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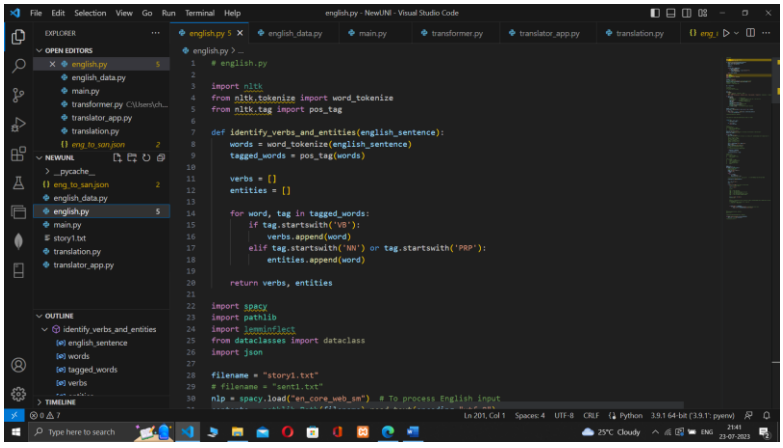
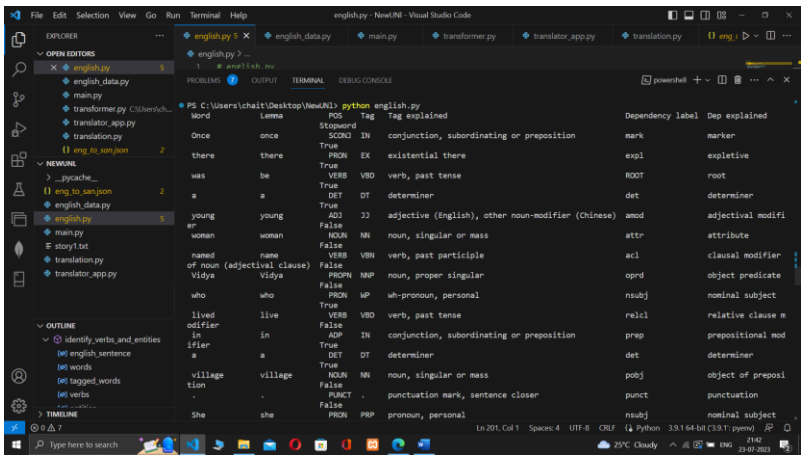
## Files submitted:

1. english.py: Contains the implementation of the English Module that reads the English sentence and splits to understand the verb and the entities associated with it.



Output of english.py:



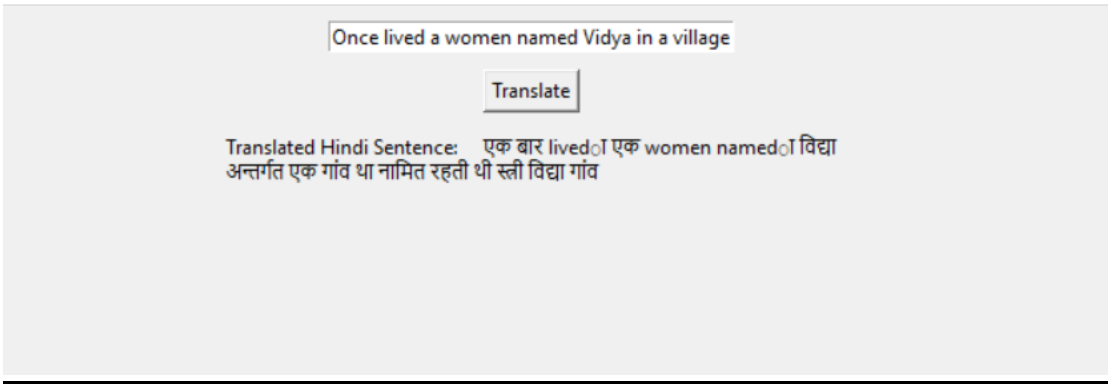
2. English_data.py : class to define the mapping of the entities to the karakas.

3. Main.py: Contains the implementation of the data structure (dictionary) and the rules described for identification of the karakas, vocabulary and grammar rules.

4. Translation.py : Contains the implementation of (Hindi Module) converting the English sentence to Hindi sentence via mapping the karaka framework through the dictionary.

5. Translator_app.py : Contains the interface of Python Tkinter Module to display the result obtained of the translation.

**Final Output:**




***Thus Our Model is moderately able to translate the given English Sentence into Hindi.**

**Note:**

1. **"Codeboard platform" is unable to support some of the libraries that are used in the project, hence we have displayed the necessary screenshots for reference.**