# Parts of Speech Detector for Urdu Language



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**Introduction:**

The project is basically about detecting parts of speech in Urdu. You can enter Urdu data like a word, a sentence, and an article. We have to figure out the part of speech of every word in the sentence, article, or the word itself entered by the user.

**Methodology:**

- Sentence will be entered by the user in the input file.

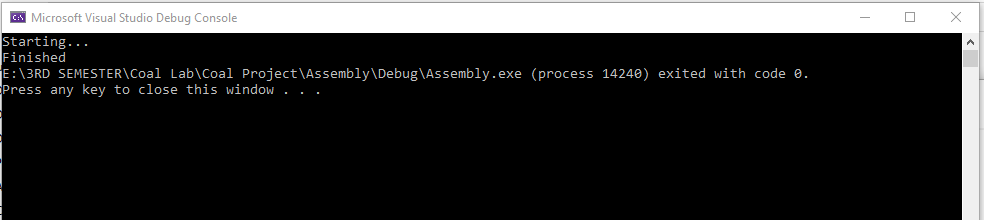
- The program will read this sentence from the file.

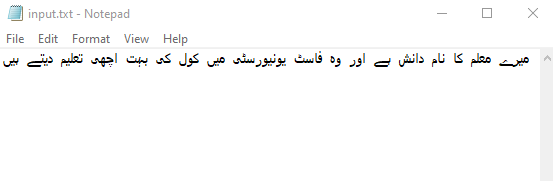
- This data is saved in array as well as other list of part of speeches

- We will use searching operations to see in which part of speech the individual words from input array lie in using a substring checker function we made.

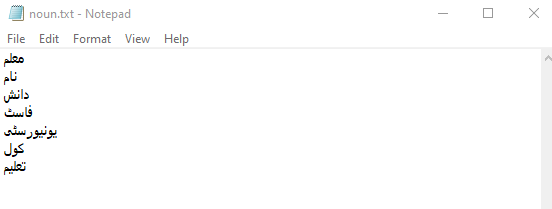
- Then it will write the data in output files with respect to its property of speech.

**Outputs:**

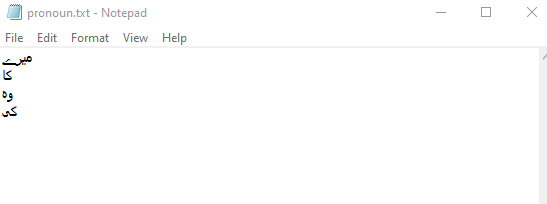




Input File



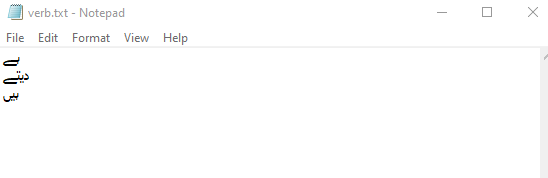
Output File: Nouns



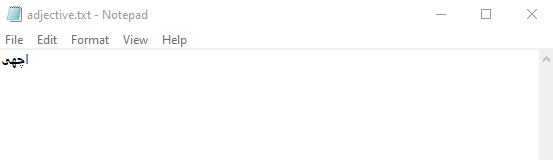
Output File: Pronouns



Output File: Prepositions



Output File: Verbs



Output: Adjectives

Output: Adverbs

**Conclusion:**

In this project, we explored filing, string primitives, and shift operations. We also explored how to work with Unicode in assembly language.