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**Auto-Complete User Input**

**(Project Synopsis)**

Batch :- **B4**

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**Submitted To:-**

Auto-complete or Word Completion is a feature which completes the rest of the word the user is typing.

Auto-complete speeds up [human-computer interactions](https://en.wikipedia.org/wiki/Human-computer_interaction) when it correctly predicts the word a user intends to enter after only a few characters have been typed into a text input field.

The original purpose of word prediction software was to help people with [physical disabilities](https://en.wikipedia.org/wiki/Physical_disabilities) increase their typing speed, as well as to help them decrease the number of keystrokes needed in order to complete a word or a sentence.

The user types in a prefix of his search query, we need to give him all recommendations to auto-complete his query based on the strings stored in the Trie. We also assume that the Trie stores past searches by the users.