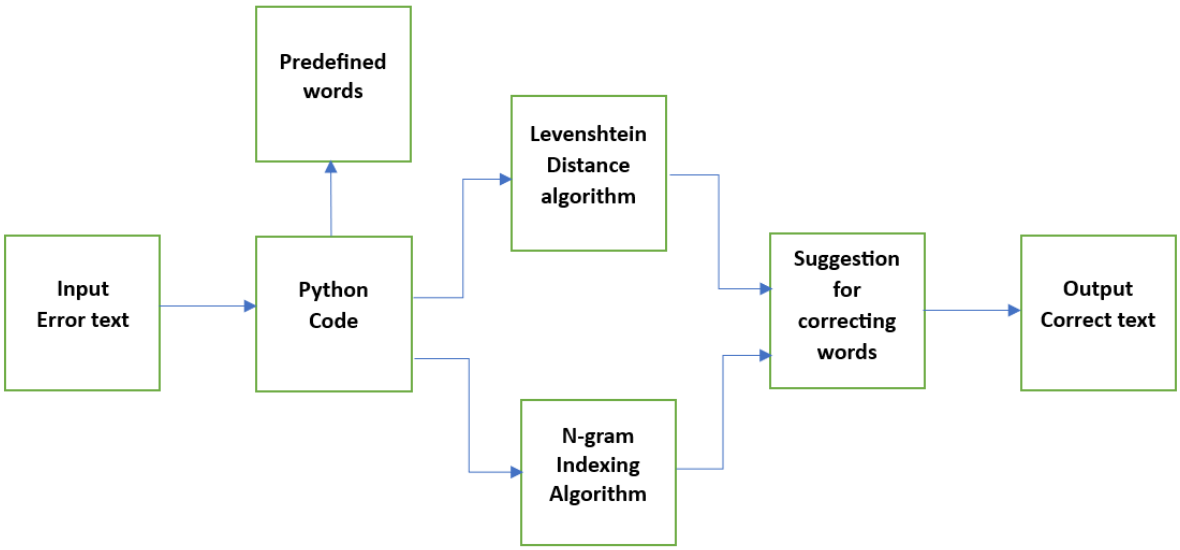
BLOCK DIAGRAM AND SYSTEM OVERVIEW:



This block diagram represents the workflow of a text correction system. The process begins with the input of error-prone text. This input is processed by a Python program, which uses two main algorithms to identify potential corrections: the Levenshtein Distance algorithm and the N-gram Indexing algorithm. The Levenshtein Distance algorithm calculates the similarity between the input words and a list of predefined words, identifying closely matching words. Simultaneously, the N-gram Indexing algorithm suggests words based on patterns in the input text. Both algorithms provide a list of possible corrections, and the system suggests the most appropriate corrected words, outputting a correctly formatted text as the final result.

TOOLS/ SOFTWARE REQUIRED:

1. Windows 8 or latest
2. Python IDE (Pycharm community edition)
3. Python version 3.11

RESULT:

OUTPUT CONSOLE:

```
Suggestions for "helllo": hello
Suggestions for "examle": example, sample
Suggestions for "functonality": functionality, suggestion
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