INTERNSHIP – DATA ANALYTICS

PROJECT 2
BUILDING AN ONLINE DICTIONARY WITH PYTHON

TEAM MEMBERS

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BASIC PROGRAM ALGORITHM

1) Input the word.
2) Check if the word is valid
   - If valid, extract the meaning from dictionary
   - If invalid, suggest a word similar to the invalid word and prompt the user with it
     - If a match, extract the meaning.
     - If not matched, declare the word invalid.
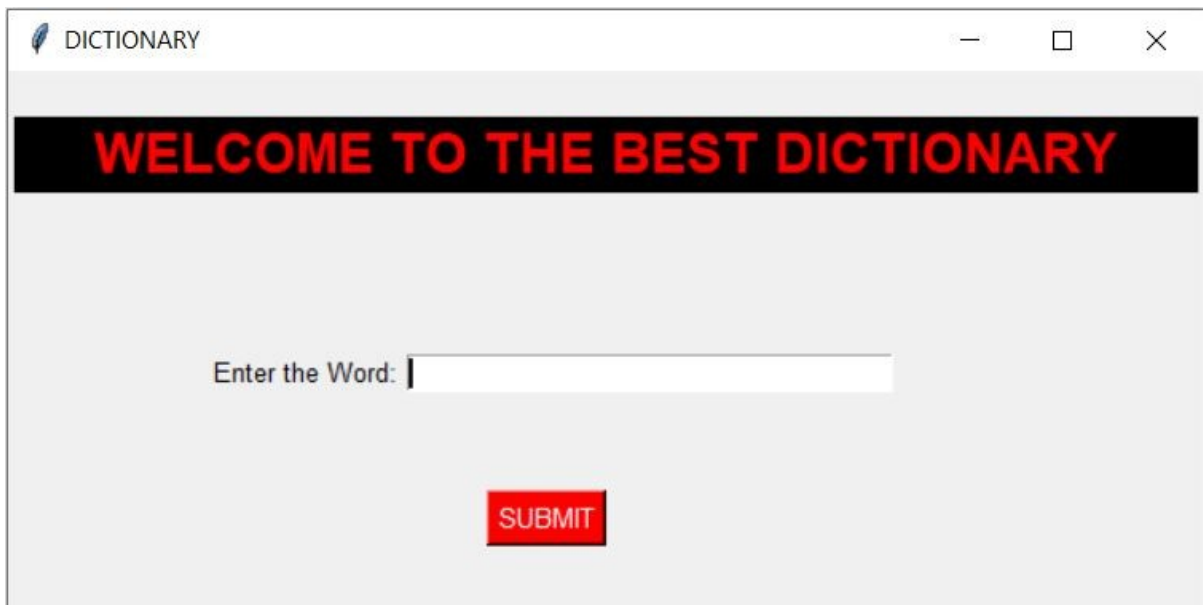3) Print the output.

INITIAL STAGE OUTPUTS

```
Enter the word: boy
[]
Do you want to view the full text? y for Yes , n for No :y
['A young male person, usually a child or teenager.']
================================================================
Search another? y for Yes , n for No :
```
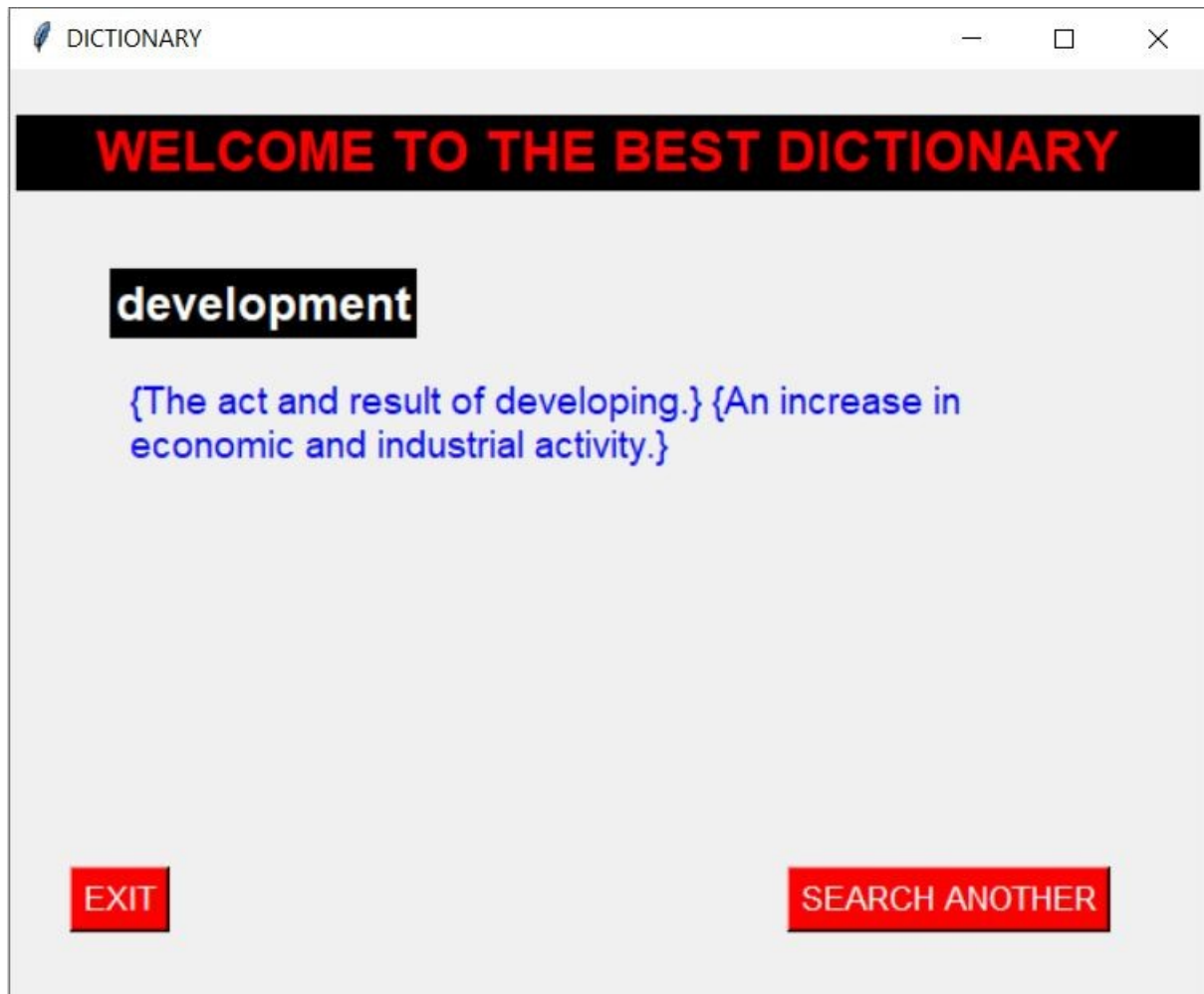
FEATURES ADDED

✓ Display only a part of the output and prompt the user whether to display the full text

✓ Search another feature added so that the user could look for another meaning after he/she is done with one.

FINAL STAGE OUTPUTS

DICTIONARY — □ ✕

WELCOME TO THE BEST DICTIONARY

development

{The act and result of developing.} {An increase in economic and industrial activity.}

EXIT

SEARCH ANOTHER

DICTIONARY — □ ✕

WELCOME TO THE BEST DICTIONARY

plen

Did you mean: pen

YES **NO**

FEATURES ADDED

- ✓ Implementation in a GUI using Tkinter (Python)
- ✓ Provision to exit the program
- ✓ Button based interface

FUTURE SCOPES/MILESTONES

- Additional feature of making a search on the internet from the program if a particular word is not found in the existing dictionary data, can be developed.
- A faster implementation of the GUI can be worked upon with the help of other GUI based python libraries.
- Word APIs over the internet can be used.
- AI can be used to suggest words as pop-ups while typing.