**PROJECT REPORT**

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**PROJECT NAME: LANGUAGE CONVERSION**

**AIM OF PROGRAM**

The aim of this program is to teach people another language that is different from English and to help during communications if needed by two individuals to translate to either Yoruba or English.

**FEATURES OF THE PROGRAM**

The program starts with a function called menu which is where the program starts, and the user can pick which ever language (Yoruba or English) he or she wishes to translate to. In that same function, there is an if condition which executes based on the service picked by the user. If the user decides to translate to Yoruba, he or she is asked to input their word, which is then stored. The word then goes through the trim string function which has been coded to remove any space around the word. The processed word is now taken by the engToyoruba function which opens the English file, searches for the word line by line with the help of get line and prints out the line number. The English file is then closed, and the Yoruba file is opened to be read. Using for loop and if condition, we are then able to print out the converted format due to the line number. If the user also decides to translate to English, he or she is asked to input their word, which is then stored. The word then goes through the trim string function which has been coded to remove any space around the word. The processed word is now taken by the yorubaToeng function which opens the Yoruba file, searches for the word line by line with the help of get line and prints out the line number. The Yoruba file is then closed, and the English file is opened to be read. Using for loop and if condition, we are then able to print out the converted format due to the line number. The user can then exit the program by picking the exit option.

**DESIGN**

Diagram

Description automatically generated

**TESTING**

|  |  |  |
| --- | --- | --- |
| TEST DETAILS | EXPECTED OUTCOME | ACTUAL OUTCOME |
| menu | Displays menu | Worked |
| Yoruba | Takes the inputted English word, removes any space around the word and then searches for the word in the English file and prints out the line number and then takes the line number and prints out the converted format in the Yoruba language | Worked |
| English | Takes the inputted Yoruba word, removes any space around it and searches for the word in the Yoruba file and prints out the line number and then takes the line number and prints out the converted format in English language. | Worked |
| Exits | Exits Program | Worked |

**EVALUATION**

Everything in my project works fine and there was nothing that did not work. What I would have love to improve is to also allow my program to collect a sentence in any language allowed and print out the converted format.