

## Afternoon Session:-

Date: / /

Date :- 30<sup>th</sup> Dec May.

Name : Rakshita . C. V.

Course :- Python.

USN : HAL18EC042.

Topic :- Day 3 (Build an interactive English dictionary)

N Sem 'A' sec.

GitHub repository : Rakshita

### Report :-

\* The Data Source

\* Loading JSON Data

\* Returning the Definition of word.

\* Taking into Account Bad words

```
import json
```

```
data = json.load(open("data.json"))
```

```
def translate(w):
```

```
    if w in data:
```

```
        return data(w)
```

```
    else:
```

```
        return "The word doesn't exist. please double check it"
```

```
word = input("Enter word: ")
```

```
print(translate(word))
```

\* Implementing case sensitivity.

\* Similarity Ratio between Two words:

Best matches out of a list words:

\* Confirmation from the User:-

```
import json
```

```
from difflib import get_close_matches
```

```
data = json.load(open("data.json"))
```

```
def translate(w):
```

```
    w = w.lower()
```

```
    if w in data:
```

```
        return data(w)
```

```
    elif len(get_close_matches(w, data.keys())) > 0:
```

yn = input("Did you mean 's instead Enter Y if yes, or N if No.")  
 if get\_close\_matches(w, data.keys())[0]:

if yn == "Y":

return data[get\_close\_matches(w, data.keys())[0]]

else:

return "The word doesn't exist. please double check it."

word = input("Enter word: ")

optimizing the final output:-

Version 1.2 (E).

A student discovered another issue with the program. The program cannot return the definition of acronyms such as USA or NATO; therefore, add another conditional to make the program return the definition of such words.

Code:- I added lines 10 & 11 to make sure the program returns the definition of acronyms (eg., USA or NATO).