Morphological Analysis & Word Generation

Input:

```
text = "callable"
morphemes = []
for i in range(1, len(text)):
    prefix = text[:i]
    suffix = text[i:]
    if prefix in words.words() and suffix in words.words():
        morphemes.append((prefix, suffix))
        #appends the pair (prefix, suffix) as a tuple to the morphemes list
print("Original Text:", text)
print("Morphological Analysis:")
for prefix, suffix in morphemes:
    print(f" Prefix: {prefix}, Suffix: {suffix}")
#word generation
for (prefix, suffix) in morphemes:
    generated_words = prefix + suffix
print("Generated Word : " + generated_words)
```

Output:

Original Text: callable
Morphological Analysis:
Prefix: call, Suffix: able

Generated Word : callable

Repo Link

https://github.com/Shreyaww/Sem7 NLP/blob/main/Experiment 4.ipynb