

# finding\_words\_solution

March 18, 2023

## 1 TODO: Find Words

In the cell below, the `sample_text` string contains the name Walter Brown written in a mixture of uppercase and lowercase letters. Write a regular expression that matches the name `WaLtEr BroWN` and save the regular expression object in a variable called `'regex'`. Then use the `.finditer()` method to search the `sample_text` string for the given regular expression. Then, write a loop to print all the matches found by the `.finditer()` method. Finally, use the `match.span()` method to print the match from the `sample_text` string.

```
In [1]: # import re module
import re

# Sample text
sample_text = 'Alice and WaLtEr BroWN are talking with wAlTer Jackson.'

# Create a regular expression object with the regular expression 'WaLtEr BroWN'
regex = re.compile(r'WaLtEr BroWN')

# Search the sample_text for the regular expression
matches = regex.finditer(sample_text)

# Print all the matches
for match in matches:
    print(match)

    # Using the span information from the match, print the match from the original string
    print('\nMatch from the original text:', sample_text[match.span()[0]:match.span()[1]])

<_sre.SRE_Match object; span=(10, 22), match='WaLtEr BroWN'>

Match from the original text: WaLtEr BroWN

In [ ]:
```