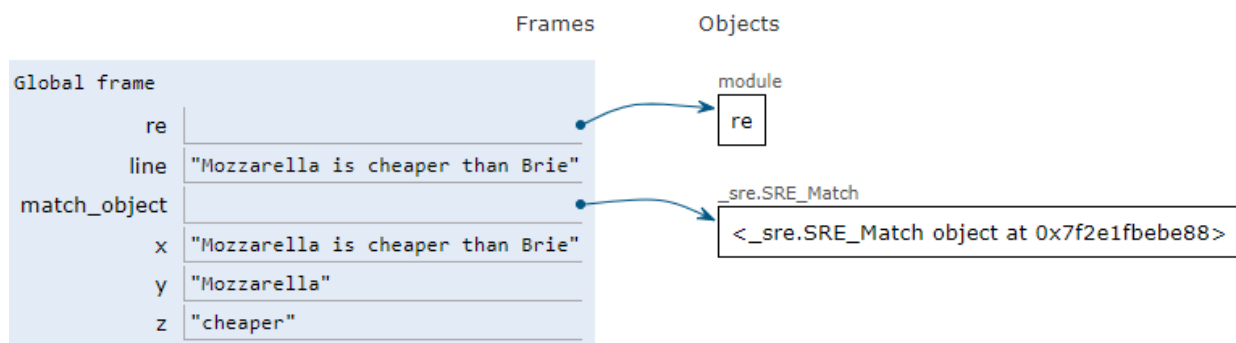


Regular Expressions

Regular Expressions:

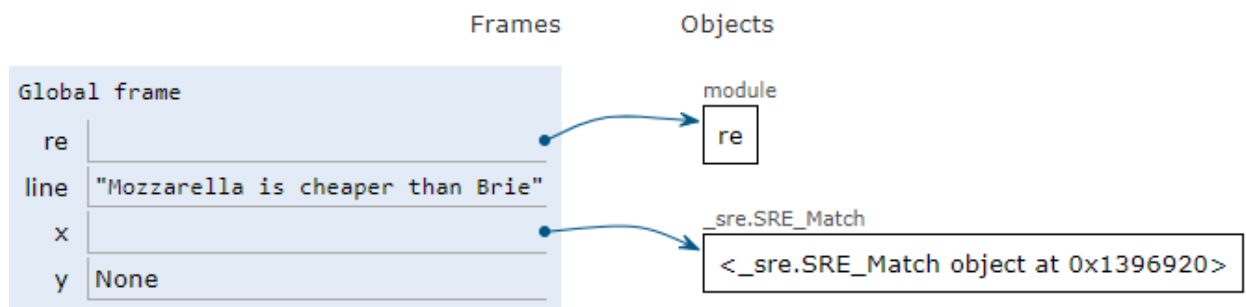
Example

```
>>> import re
>>> line = "Mozzarella is cheaper than Brie"
>>> match_object = re.match( r'(.*) is
                             (.*) .*', line, re.M|re.I)
>>> x = match_object.group()
>>> y = match_object.group(1)
>>> z = match_object.group(2)
```



Regular Expressions: Intro

```
>>> import re
>>> line = "Mozzarella is cheaper than Brie"
>>> x = re.search("Mozzarella", line)
>>> y = re.search("Gouda", line)
```



Regular Expressions

- way to describe strings patterns
- used for pattern matching
- provided by module *re*

```
>>> import re
```

```
>>> line = "Mozzarella is cheaper than Brie"
```

```
>>> match_object = re.match( r'(.*) is  
    (.*) .*', line, re.M|re.I)
```

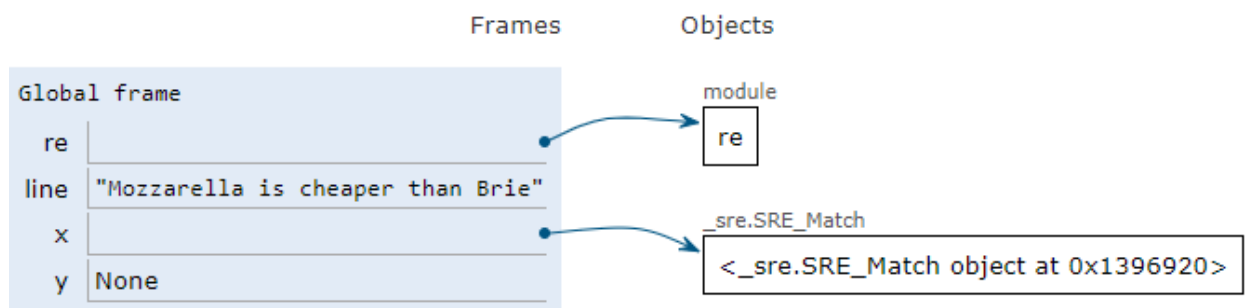
```
>>> x = match_object.group()
```

```
>>> y = match_object.group(1)
```

```
>>> z = match_object.group(2)
```

Regular Expressions: Intro

```
>>> import re
>>> line = "Mozzarella is cheaper than Brie"
>>> pattern = r'are'
>>> if re.match(pattern, line):
>>>     print('match')
>>> else:
>>>     print('no match')
```



Review Problems

Interview Problem

- regular expression to describe a valid email id

Interview Problem

- explain how to perform pattern matching

Interview Problem

- name few methods for matching and searching the occurrences of a pattern in a given text String