

#Substitute onscreen with another

re_sub@w+com'@stanford.edu'sam@gob.com pohear@bear.com'

#=> sam@stanford.edu poohbear@stanford.edu

re.compile '[a-z]+[0-9]{3}' # compile pattern for fast ops

pattern'@@@abc123'# pattern is first argument

`.span#(3,9)`

re — Regular expression operations

Substitute occurrences of one pattern with another

```
re.sub(r'@\w+\.', '@stanford.edu', 'sam@go.com poohbear@bears.com')
```

=> sam@stanford.edu poohbear@stanford.edu

```
pattern = re.compile(r'[a-z]+[0-9]{3}') # compile pattern for fast ops
```

```
match = re.search(pattern, '@@@abc123') # pattern is first argument
```

```
match.span() # (3, 9)
```

Your Turn

!!!!

Write a regular expression to match a phone number like
650 867-5309

Hint: `\d` captures `[0-9]`, i.e. any digit

Hint: `\d{3}` captures 3 consecutive digits

!!!!

```
is_phone("650 867-5309") # => True
```

```
is_phone("650.867.5309") # => False
```

Done? Use named groups to return the area code