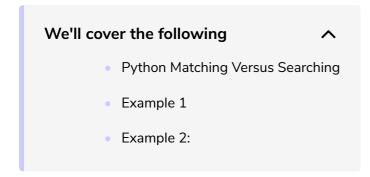
# Python regex 'match' vs. 'search' functions

Difference between Python regex match() and search() function!



## Python Matching Versus Searching #

We have learned so far that Python offers two different **primitive** operations:

- match
- search

#### So, how they are different to each other?

Note that match checks for a match only at the beginning of a string, while search checks for a match anywhere in the string!

#### Example 1#

Let's try to find the word Python:

```
#!/usr/bin/python
import re

line = "Learn to Analyze Data u

m = re.search( r'(python)', line

if m:
print "m.group() : ", m.grou
else:
print "No match by obj.searc

m = re.match( r'(python)', line

if m:

print "m group() : " m group

no g
```

You will be able to see that, match function won't find the word "Python", but search can! Also note the use of the re.I (case insensitive) option.

### Example 2: #

```
#!/usr/bin/python
import re

email = "hello@leremove_thisarntoanalayzedata.com ";

# m = re.match ("remove_this", email) // This will not work!

m = re.search("remove_this", email)

if m:
    print "email address : ", email[:m.start()] + email[m.end():]
else:
    print "No match!!"
```