```
   print "search --> searchObj.group() : ", searchObj.group()

else:

   print "Nothing found!!"
```

When the above code is executed, it produces the following result:

```
No match!!

search --> matchObj.group() :  dogs
```

Search and Replace

One of the most important **re** methods that use regular expressions is **sub**.

Syntax

```
re.sub(pattern, repl, string, max=0)
```

This method replaces all occurrences of the RE *pattern* in *string* with *repl*, substituting all occurrences unless *max* provided. This method returns modified string.

Example

```
#!/usr/bin/python

import re


phone = "2004-959-559 # This is Phone Number"


# Delete Python-style comments

num = re.sub(r'#.*$', "", phone)

print "Phone Num : ", num


# Remove anything other than digits

num = re.sub(r'\D', "", phone)
```