

# Python regex `finditer` function

Python regex finditer() function explained with examples.

## We'll cover the following

- Python string finditer
- Syntax
- Example 1

## Python string finditer #

`finditer()` is a powerful function in the `re` module. It returns an iterator yielding `MatchObject` instances over all non-overlapping matches for the RE pattern in string.

## Syntax #

```
re.finditer(pattern, string, flags=0)
```

Here the string is scanned **left-to-right**, and matches are returned in the order found. Empty matches are included in the result unless they touch the beginning of another match.

## Example 1 #

Here is a simple example which demonstrates the use of finditer. It reads in a page of html text, finds all the occurrences of the word “**the**” and prints “the” and the following word. It also prints the character position of each match using the MatchObject’s `start()` method.





Once you have the list of tuples, you can loop over it to do some computation for each tuple.

Expected output:

```
output
```

```
3261: The Python
4210: the backslash
4451: the same
4474: the same
4651: the pattern
4679: the regular
4930: The solution
5937: The functions
6301: the standard
and so on...
```