
SRL-Python Documentation

Release 0.1.0

Simple Regex Language

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SRL-Python is [Simple Regex Language](#) library for Python. *SRL-Python* is pure Python, and has no other dependencies. *SRL-Python* supports for Python 2.7/3.3/3.4/3.5 and pypy.

Useful Links

- [Simple Regex Language](#)
- [SRL-Python @ Github](#)
- [SRL-Python @ Readthedocs](#)

Usage

Here is a short example, to illustrate the flavor of *srl*:

```
>>> from srl import SRL
>>> srl = SRL('digit exactly 3 times')
>>> srl.pattern
'[0-9]{3}'
>>> srl.findall('0 01 012 013')
['012', '013']
```


3.1 API

This part of the documentation covers all the interfaces of SRL-Python.

3.1.1 SRL Object

srl

This module implements Simple Regex Language object.

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class `srl.srl.SRL(srl=None)`

The SRL object implements Simple Regex Language and acts as central object. It is passed the string represented for Simple Regex Language. Once it is created it will act almost exactly same behavior as *re.RegexObject*.

Usually you create a *SRL* instance like this:

```
from srl import SRL
srl = SRL('letter from a to f')
```

Parameters `srl` – the string of Simple Regex Language

__getattr__ (*method*)

SRL shares the same API with `re.RegexObject`..

```
>>> srl = SRL('digit exactly 3 times')
>>> assert srl.match('012').group(0) == '012'
```

__str__ ()

`str(srl)`: regex pattern of compiled Simple Regex Language.:

```
>>> srl = SRL('digit exactly 3 times')
>>> assert str(srl) == '[0-9]{3}'
```

srl.builder

This module implements the builder of Simple Regex Language.

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srl.parsers.parser

This module implements Simple Regex Language parser.

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