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Practical No.6

Aim: Working with Regular Expressions.

1)re.findall()

\d Matches any decimal digit; this is equivalent to the class[0-9].
+1 or more occurrences of the pattern to its left

CODE:

```
import re

string="hello l2 hi 89. Howday 34"

pattern="\d+"

result=re.findall(pattern,string)

print(result)
```

OUTPUT:

```
['2', '89', '34']
```

2)re.split()

Code:

```
import re

string="Twelve.12 Eighty nine:89."

pattern="\d+"

result=re.split(pattern,string)

print(result)
```

OUTPUT:

```
['Twelve.', ' Eighty nine:', '.']
```

3)re.sub()

CODE:

```
import re
```

```
string='abc 12\de 23 \nf45 6'
pattern='\se+'
replace=' '
new_string=re.sub(pattern,replace,string)
print(new_string)
```

OUTPUT:

```
abc 12\de 23
f45 6
```

4)re.search()

CODE:

```
import re
string="Python is fun"
match=re.search('\APython',string)
if match:
    print("pattern found inside the string")
else:
    print("pattern not found")
```

OUTPUT:

```
| pattern found inside the string
|
```