Regular expressions

```
import re
a="Yang is a top star"
x=re.search("^Yang.*star$",a)
if x:
  print("It was found!")
else:
  print("It was not found")
```

```
    It was found!
```

```
# findall() function
import re
a="Bong is strong and has super powers"
x=re.findall("ong",a)
print(x)
```

```
    ['ong', 'ong']
```

```
import re
a="Yang is a top star"
x=re.search("Bong",a)
if x:
  print("It was found!")
else:
  print("It was not found")
```

```
    It was not found
```

```
# search() function
import re
a="Shazam! is a 2019 superhero film based on the DC Comics character of the same name, produced by New Line Cinema and distr
```

```python
x=re.search("\s",a)
print(x.start())
```

```python
import re
a="Bong is strong and has super powers"
x = re.search("Yang",a)
print(x)
```

```
    None
```

```python
#split() function
import re
a="Bong is strong and has super powers"
x = re.split("\s",a)
print(x)
```

```
    ['Bong', 'is', 'strong', 'and', 'has', 'super', 'powers']
```

```python
#maxsplit parameter
import re
a="Bong is strong and has super powers"
x = re.split("\s",a,1)
print(x)
```

```
    ['Bong', 'is strong and has super powers']
```

```python
# sub() function
import re
a="Bong is strong and has super powers"
x = re.sub("\s","9",a)
print(x)
```

```
    Bong9is9strong9and9has9super9powers
```

```python
# count parameter
import re
```

```python
a="Bong is strong and has super powers"
x = re.sub("\s","9",a,2)
print(x)
```

```
Bong9is9strong and has super powers
```

```python
# Math object
import re
a="Sonic has a superpower and huge strength"
x=re.search("er",a)
print(x)
```

```
<re.Match object; span=(15, 17), match='er'>
```

```python
# span()
import re
a="Sonic has a superpower and huge strength"
x = re.search(r"\bS\w+",a)
print(x.span())
```

```
(0, 5)
```

```python
# string
import re
a="Sonic has a superpower and huge strength"
x=re.search(r"\bS\w+",a)
print(x)
```

```
<re.Match object; span=(0, 5), match='Sonic'>
```