```
import re
txt="The rain in Spain"
x=re.search("^The.*Spain$",txt)
if x:
  print("YES! We have a match!")
else:
  print("No match")
```

```
YES! We have a match!
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.findall("at",txt)
print(x)
```

```
['at', 'at', 'at', 'at', 'at', 'at']
```

```
import re

text = "The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."

pattern1 = r'(cat|dog)'
matches1 = re.findall(pattern1, text, flags=re.IGNORECASE)
print("Occurrences of 'cat' or 'dog':", matches1)

pattern2 = r'\bc[a-z]{2}\b'
matches2 = re.findall(pattern2, text)
print("3-letter words starting with 'c':", matches2)
```

```
Occurrences of 'cat' or 'dog': ['cat', 'dog', 'cat', 'Cat', 'dog']
3-letter words starting with 'c': ['cat', 'cat']
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
w=re.search(r"\bC\w+",txt)
print(w.group())
```

```
Cats
```

```
import re
tst="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.search("\s",txt)
print("The first white-space character is located in position:",x.start())
```

```
The first white-space character is located in position: 3
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.split("\s",txt)
print(x)
```

```
['The', 'cat', 'sat', 'on', 'the', 'mat.', 'The', 'dog', 'barked', 'at', 'the', 'cat.', 'Cats', 'and', 'dogs', 'live', '
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.split("\s",txt,1)
print(x)
```

```
['The', 'cat sat on the mat. The dog barked at the cat. Cats and dogs live\xa0in\xa0harmony.']
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.sub("\s","🍒",txt)
print(x)
```

```
The🍒cat🍒sat🍒on🍒the🍒mat.🍒The🍒dog🍒barked🍒at🍒the🍒cat.🍒Cats🍒and🍒dogs🍒live🍒in🍒harmony.
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.sub("\s","🍏",txt,4)
print(x)
```

```
The🍏cat🍏sat🍏on🍏the mat. The dog barked at the cat. Cats and dogs live in harmony.
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.search(r"\bd\w+",txt)
print(x.span())
```

```
(28, 31)
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x= re.search(r"\bC\w+",txt)
print(x.string)
```

```
The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony.
```

```
import re
txt="The cat sat on the mat. The dog barked at the cat. Cats and dogs live in harmony."
x=re.search(r"\bC\w+",txt)
print(x.group())
```

```
Cats
```

Start coding or generate with AI.