```python
s1 = 'python'
s2 = "django"
s3 = '''javascript'''
```

```python
print(s1,type(s1))
```

```
python <class 'str'>
```

```python
print(s2,type(s2))
```

```
django <class 'str'>
```

```python
print(s3,type(s3))
```

```
javascript <class 'str'>
```

```python
s = ''python''
print(s)
```

```
  File "<ipython-input-6-2bf926f6cded>", line 1
    s = ''python''
             ^
SyntaxError: invalid syntax
```

SEARCH STACK OVERFLOW

```python
s = ''''
print(s)
```

```
  File "<ipython-input-7-2bf86cc3a1f8>", line 2
    print(s)

            ^
SyntaxError: EOF while scanning triple-quoted string literal
```

SEARCH STACK OVERFLOW

```python
s = "'python'"
print(s)
```

```
'python'
```

```python
s = '"python"'
print(s)
```

```
"python"
```

```python
s = 'python
django'
print(s)
```

```
  File "<ipython-input-11-6fb567f024ec>", line 1
    s = 'python
              ^
SyntaxError: EOL while scanning string literal
```

SEARCH STACK OVERFLOW

```python
s = "python
django"
print(s)
```

```
  File "<ipython-input-12-da5fe46e6386>", line 1
    s = "python
              ^
SyntaxError: EOL while scanning string literal
```

    SEARCH STACK OVERFLOW

```python
s = '''python
django'''
print(s)
```

```
python
django
```

```python
s = '\'python\''
print(s)
```

```
'python'
```

```python
s = "\"python\""
print(s)
```

```
"python"
```

```python
i = 100
```

```python
x = 1
```

```python
abc = 2
```

```python
i1 = 3
```

```python
i2 = 4
```

```python
i_ = 5
```

```python
abc_ = 6
```

```python
a1_ = 7
```

```python
_ = 7
```

```python
__
```

```
7
```

```python
__
```

```
7
```

```python
_ = 100
```

_

```
100
```

```python
a1_ = 8
```

```python
a_1 = 9
```

```python
_a1 = 10
```

```python
_1a = 11
```

```python
1a_ = 12
```

```
File "<ipython-input-34-325d5059e4da>", line 1
    1a_ = 12
      ^
SyntaxError: invalid syntax
```

SEARCH STACK OVERFLOW

```python
five = 14
```

```python
fi = 15
```

```python
FI = 16
```

```python
print(fi, FI)
```

```
15 16
```

```python
if = 17
```

```
File "<ipython-input-39-a4c58a162b76>", line 1
    if = 17
       ^
SyntaxError: invalid syntax
```

SEARCH STACK OVERFLOW

```python
i = 10
```

```python
i = 20
```

```python
s = 'python'
```

▾ How to access one char from a string data?

```python
s = 'python'
print(s[0])
```

```
p
```

```python
print(s[1])
```

```
y
```

```
print(s[2])
```

    t

```
print(s[3])
```

    h

```
print(s[4])
```

    o

```
print(s[5])
```

    n

```
print(s[6])
```

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-48-9a2819a88651> in <module>
----> 1 print(s[6])

IndexError: string index out of range
```

    SEARCH STACK OVERFLOW

```
s = 'python'
print(s[-1])
```

    n

```
print(s[-2])
```

    o

```
print(s[-3])
```

    h

```
print(s[-4])
```

    t

```
print(s[-5])
```

    y

```
print(s[-6])
```

    p

```
print(s[-7])
```

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-55-11960fd761a8> in <module>
----> 1 print(s[-7])

IndexError: string index out of range
```

    SEARCH STACK OVERFLOW

```
s = 'python'
print(s[0,1])
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-57-20b7bdd35b6f> in <module>
      1 s = 'python'
----> 2 print(s[0,1])

TypeError: string indices must be integers
```

SEARCH STACK OVERFLOW

```
print('html'[0])
```

```
h
```

```
print('html'[1])
```

```
t
```

```
print('html'[2])
```

```
m
```

```
print('html'[3])
```

```
l
```

```
print('html'[10])
```

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
<ipython-input-62-ecf0eca0e15e> in <module>
----> 1 print('html'[10])

IndexError: string index out of range
```

SEARCH STACK OVERFLOW

● 0s   completed at 1:18 PM   ● ✕