

Cheat Sheet

Floor Division Operator

To find integral part of quotient we use Floor Division Operator

//

- $a // b$

Code

PYTHON

```
1 print(3 // 2)
```

Output

1

Compound Assignment Operators

$a \ += \ 1$



Compound
Assignment Operator

Different compound assignment operators are

$+=$, $-=$, $*=$, $/=$, $\% =$

$a \ += \ 1$ is similar to $a = a + 1$

Code

PYTHON

```
1 a = 10
2 a -= 2
3 print(a)
```

Output

8

Examples of Compound Assignment Operators

Code

PYTHON

```
1 a = 10
2 a /= 2
3 print(a)
```

Output

5.0

Code

PYTHON

```
1 a = 10
2 a %= 2
3 print(a)
```

Output

0

Escape Characters

Single And Double Quotes

String is a sequence of characters enclosed within quotes.

Code

PYTHON

```
1 sport = 'Cricket'
2 print(type(sport))
3 sport = "Cricket"
4 print(type(sport))
```

Output

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

Code

PYTHON

```
1 is_same = ('Cricket' == "Cricket")
2 print(is_same)
```

Output

```
True
```

Escape Characters

Escape Characters are a sequence of characters in a string that are interpreted differently by the computer.

We use escape characters to insert characters that are illegal in a string.

Code

PYTHON

```
1 print("Hello\nWorld")
```

Output

```
Hello
World
```

We got a new line by adding

`\n` escape character.

Examples - Escape Characters

Escape Characters start with a backslash in Python

- `\n` -> New Line
- `\t` -> Tab Space
- `\\` -> Backslash
- `\'` -> Single Quote
- `\"` -> Double Quote

Passing Strings With Quotes

The backslash

`\` character here tells Python not to consider the next character as the ending of the string.

Code

PYTHON

```
1 print('It\'s Python')
```

Output

It's Python

Code

PYTHON

```
1 print("It's Python")
```

Output

It's Python

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