

Python Programming

Assignment Operator

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Compound Assignment Operators

```
2 # x is left hand side (has address)
3 # 1 + 2 * 5 = right hand side = an expression
4 x = 1 + 2 * 5      # 11
5
6 x -= 4             # 7: same as x = x - 4
7
8 x += 3             # 10: same as x = x + 3
9
10 x *= 2            # 20: same as x = x * 2
11
12 x //= 5           # 4: same as x = x // 2
13
14 x **= 3           # 64: same as x = x ** 3
15
16 x %= 6            # 4: same as x = x % 6
17
```

Multiple assignments

```
5 x, y = 5, 7
6 a, b, c = 'hi', 12, 6.5
7
8 x = y = z = 1
9 #x = y = z += 1 # invalid
10
11 m = 3
12 print(10 * m, m + 1) # 30 4
13 m, n = 10 * m, m + 1
14 print(m, n) # 30 4
15
16 # n is 4 NOT 31
17 # right-hand side is evaluated before the left-hand side.
18 # This is a source of error
19 # Avoid multiple assignments like this
20 # Use it for pure values and very simple and clear scenarios
21
22 c1, c2, c3 = 'Me!' # M e !
```

“Acquire knowledge and impart it to the people.”

“Seek knowledge from the Cradle to the Grave.”