

```
1 # Operators
2
3 # Aritmetiske operators
4 a = 10
5 b = 3
6
7 # Plus
8 print('a + b =', a+b)
9
10 # Minus
11 print('a - b =', a-b)
12
13 # Gange
14 print('a * b =', a*b)
15
16 # Division
17 print('a / b =', a/b)
18
19 # Modulus
20 print('a % b =', a%b)
21
22 # Exponent
23 print('a ** b =', a**b)
24
25
26 # Tildelings operators
27 # Lig med
28 a = 10
29 print("'a = 10' =", a)
30
31 # Add AND
32 a = 10
33 a += 3 # samme som a = a + 3
34 print("'a += 3' =", a)
35
36 # Subtract AND
37 a = 10
38 a -= 3 # samme som a = a - 3
39 print("'a -= 3' =", a)
40
41 # Multiply AND
42 a = 10
43 a *= 3 # samme som a = a * 3
44 print("'a *= 3' =", a)
```

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45
46 # Divide AND
47 a = 10
48 a /= 3 # samme som a = a / 3
49 print("'a /= 3' = ", a)
50
51 # Modulus AND
52 a = 10
53 a %= 3 # samme som a = a % 3
54 print("'a %= 3' = ", a)
55
56
57 # Sammenlignings operators
58 a = 10
59 b = 3
60
61 # Større end
62 print('a > b is', a > b)
63
64 # Mindre end
65 print('a < b is', a < b)
66
67 # Ens
68 print('a == b is', a == b)
69
70 # Ikke ens
71 print('a != b is', a != b)
72
73 # Større end eller lig med
74 print('a >= b is', a >= b)
75
76 # Mindre end eller lig med
77 print('a <= b is', a <= b)
78
79 # Logiske operators
80 a = 10
81
82 # Giver TRUE
83 print(a > 6 and a < 20)
84
85 # Giver TRUE
86 print(a > 6 or a < 8)
87
88
```

```
89 # Identifikations operators
90 # is
91 a = ["Python", "JavaScript"]
92 b = ["Python", "JavaScript"]
93 c = a
94
95 # returns True since c is the same object as a
96 print(a is c)
97
98 # returns False since lists are mutable
99 print(a is b)
100
101 # Returns True because a is equal to b
102 print(a == b)
103
104 # is not
105 a = ["Python", "JavaScript"]
106 b = ["Python", "JavaScript"]
107 c = a
108
109 # returns False since c is the same object as a
110 print(a is not c)
111
112 # returns True since lists are mutable
113 print(a is not b)
114
115 # illustrates the difference between "is not" and
    "!=": it returns False because a is equal to b
116 print(a != b)
117
118
119 # "Medlemsskabs" operators
120 a = ["Python", "JavaScript"]
121
122 # returns False because the value is not in the list
    sequence; Python is case sensitive
123 print("Javascript" in a)
124
125 # returns True
126 print("Javascript" not in a)
127
```