

```
In [4]: 1  ## task 5
        2  # arithmetic operators
        3
        4  a=22
        5  b=9
        6  print('**Arthimetic operators**')
        7  print('sum:',a+b)
        8  print('subtract:',a-b)
        9  print('division:',a/b)
       10  print('multiply:',a*b)
       11  print('modulus:',a%b)
       12  print('exponent:',a**b)
       13  print('floor division:',a//b)
       14  print('-----')
       15  print('**Assignment operators**')
       16  print('equal:',a==b)
       17  print('not equal:',a!=b)
       18  print('greather than:',a>b)
       19  print('less than:',a<b)
       20  print('greater than equal to:',a>=b)
       21  print('less than equal to:',a<=b)
       22  print('-----')
       23  print('**logical operators**')
       24  print('AND:',a>b and a<b)
       25  print('OR:',a>b or a<b)
       26  print('not:',not(a>b and a<b))
```

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**Arthimetic operators**
sum: 31
subtract: 13
division: 2.4444444444444446
multiply: 198
modulus: 4
exponent: 1207269217792
floor division: 2
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**Assignment operators**
equal: False
not equal: True
greather than: True
less than: False
greater than equal to: True
less than equal to: False
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**logical operators**
AND: False
OR: True
not: True
```