The round() function

6360000 500.0

In this notebook we look at the round() function

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In [2]:
# round() rounds (off) the argument. Rounding is up or down based on the argument.
x = 46.5
y = round(x)
print('x is:', x, ' and y is:', y)
x is: 46.5 and y is: 46
In [3]:
round() accepts an optional argument which dictates the number of decimal places for rounding
A positive value of n for the optional argument means that the number will be rounded to n digits
after the decimal point
x = 45.24589
y = round(x)
z = round(x, 3)
print('x is:', x, 'y is:', y, 'and z is:', z)
x is: 45.24589 y is: 45 and z is: 45.246
In [5]:
The optional argument in round() can be negative and specifies the number of places to
the left of the decimal point for rounding. That is, a value of -n means that n places
to the left of the decimal point will be converted to zero. The n+1th place to the left will be t
he rounded digit
x = 49.24589
y = round(x, -3)
print('x is:', x, ' and y is:', y)
x is: 49.24589 and y is: 0.0
In [1]:
# what is?
print(round(6358923, -4))
print(round(488.45,-2))
```