Cheat Sheet

Round

Rounding Numbers

round(number, digits(optional)) Rounds the float value to the given number of decimal digits.

digits -> define the number of decimal digits to be considered for rounding.

- when not specified default is

  0

Code

PYTHON

```python
a = round(3.14,1)
print(a)
a = round(3.14)
print(a)
```

Output

```
3.1
3
```

Floating Point Approximation

Float values are stored approximately.

Code

```
print(0.1 + 0.2)
```

Output

```
0.30000000000000004
```

Floating Point Errors

Sometimes, floating point approximation gives unexpected results.

Code

PYTHON

```python
print((0.1 + 0.2) == 0.3)
```

Output

```
False
```

To avoid these unexpected results, we can use

round()

Code

PYTHON

```python
a = round((0.1 + 0.2), 1)
print(a)
print(a == 0.3)
```

Output

```
0.3
True
```

Comments

Comment starts with a hash

```
#
```

It can be written in its own line next to a statement of code.

Code

PYTHON

```python
n = 5
# Finding if Even
even = (n % 2 == 0)
print(even) # prints boolean value
```

Output

```
False
```

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