

08-Python-Numbers and Operations

Numbers and Operations

5,Nov, 2025

Numbers, Variables, and Operations

Name	python Name	Example
string, 'str'," mr.ubail "		
Boolean, bool,true false		
integer, int,1 ,2,-100		

```
sum= 1+1
diff= 10-8
```

Multiplication and Division

```
product = 8 * 8
divison = 10/2
```

Order of operations

```
#BEDMAS- Brackets.exponents, div/multi, Add/Sub
answer =(2+3)* 4+2/3
```

Cool

```
# exopnents
ans+ 3**2
# floor division
ans= 10//3          #3
# Modulo
ans = 10%2          #r0
ans = 11%2          #r1
ans = 12%2          #r0
ans = 13%2          #r1
# Increment, decrement, multi-rement, divisi-rement
egg_count = 1
egg_count += 1      # raise the value of egg-count
```

```
egg_count -= 1          # decrease value of egg-count
egg_count *= 5           # multiplies value of egg-count
egg_count /= 2           # halves the value of egg-count
```

Loops again

Recall:

```
# Repeat something 10 times
for _ in range(10):
    print("This will be printed 10 times.")
```

Another way to loop, over a *sequence*.

```
grocery_list = [
    "cucumber",
    "eggs",
    "hot wheels",
    "tea"
]

for item in grocery_list:
    # Create a bulleted list and print it out
    bulleted_item = "* " + item
    dashes = "- - -"
    print(bulleted_item)
    print(dashes)
```

Output:

```
* cucumbers
- - -
* eggs
- - -
* hot wheels
- - -
* tea
- - -
``
```