

```
In [1]: 5 % 2
```

```
Out[1]: 1
```

```
python3 -m jupyterlab
```

```
In [2]: 5 // 2
```

```
Out[2]: 2
```

```
In [3]: 5/2
```

```
Out[3]: 2.5
```

```
In [4]: 4//2
```

```
Out[4]: 2
```

```
In [5]: 7//2
```

```
Out[5]: 3
```

Boolean

```
In [6]: True and True
```

```
Out[6]: True
```

```
In [7]: True and False
```

```
Out[7]: False
```

```
In [8]: False and False
```

```
Out[8]: False
```

```
In [9]: True or True
```

```
Out[9]: True
```

```
In [10]: True or False
```

```
Out[10]: True
```

```
In [11]: False or False
```

Out[11]: False

Lists

```
In [12]: animals = ['bear', 'cat', 'dog', 'pig', 'moose']
```

```
In [13]: for j in animals:
          print(j)
```

bear
cat
dog
pig
moose

```
In [14]: for animal in animals:
          print(animal)
```

bear
cat
dog
pig
moose

```
In [16]: for i in range(2):
          for animal in animals:
              print(animal)
```

bear
cat
dog
pig
moose
bear
cat
dog
pig
moose

```
In [17]: animals[0]
```

Out[17]: 'bear'

```
In [18]: donuts = ['powder', 'chocolate', 'cinnamon']
```

```
In [19]: print(donuts)
```

['powder', 'chocolate', 'cinnamon']

```
In [20]: donuts[0]
```

Out[20]: 'powder'

In [21]: donuts[-1]

Out[21]: 'cinnamon'

In [23]: donuts.append("boston creme")

In [24]: print(donuts)

['powder', 'chocolate', 'cinnamon', 'boston creme']

In []: