type casting

• we can type cast from all other data type to integer except complex & text string

```
In [1]: bool(2)
Out[1]: True
 In [3]: bool(0)
Out[3]: False
 In [5]: bool(3.2)
Out[5]: True
 In [7]: bool(1+2j)
Out[7]: True
 In [9]: bool(0+0j)
Out[9]: False
 In [ ]:
In [11]:
        str(7)
Out[11]:
In [13]: str(3.2)
Out[13]: '3.2'
In [15]: str(True)
Out[15]:
         'True'
```

type casting is completed

PYTHON OPERATOR

- arithematic operator (+,-,*,/,//)
- relational (-,>,<,>=,<=, ==,!=
- uniary -one operator (-)
- assignment =, +=,-=, /=, //=, *=
- logical = and ,or, not

arithmatic operator

(+,-,*,/,//,**)

```
In [3]: x1,y1 =5,10

In [5]: x1+ y1

Out[5]: 15

In [7]: x1-y1

Out[7]: -5

In [9]: x1/y1

Out[9]: 0.5

In [11]: x1//y1

Out[11]: 0

In [13]: x1**y1

Out[13]: 9765625
```

assignment operator

```
Out[53]: 54

In [69]: x/= 2
    x

Out[69]: 33.0

In [71]: x//=2
    x

Out[71]: 16.0
```

unary operator

Relational operator

```
In [99]: r1 =5
    r2 = 6

In [101... r1> r2

Out[101... False

In [103... r1<r2

Out[103... True

In [105... r1 ==r2

Out[105... False

In [107... r1!=r2
</pre>
Out[107... True
```

```
In [109...
           r1
            5
Out[109...
In [111...
           r2
            6
Out[111...
In [119...
           r3 = 6
           r3
Out[119...
In [121...
           r1==r3
Out[121...
          False
In [123...
           r2==r3
Out[123...
           True
In [125...
           print(r1)
           print(r2)
           print(r3)
          5
          6
          6
In [127...
           r3<=r2
Out[127...
          True
In [129...
           r2>=r3
Out[129...
           True
```

logical operator

Out[138... False

Tn []