(3.7) Boolean

0 - False

1 - True

In [1]:
```python
0 == False
```

Out[1]: True

In [2]:
```python
1 == True
```

Out[2]: True

False

0, False, None, empty object,'', [], {},**

In [3]:
```python
bool(0)
```

Out[3]: False

In [5]:
```python
bool('')
```

Out[5]: False

In [6]:
```python
bool([])
```

Out[6]: False

In [7]:
```python
bool(None)
```

Out[7]: False

In [11]:
```python
bool(print("hello World"))
```

hello World
Out[11]: False

True

In [8]:
```python
bool(1)
```

Out[8]: True

In [9]:
```python
bool(' ')
```

True

In [10]:
```python
bool([''])
```

Out[10]: True

Problems

In [12]:
```python
if print("hello world!"):
    print("let's confuse all")
else:
    print('ha ha ha what do you say ?')
```

```
hello world!
ha ha ha what do you say ?
```

In [13]:
```python
if None:
    print("let's confuse all")
else:
    print('ha ha ha what do you say ?')
```

```
ha ha ha what do you say ?
```

In [14]:
```python
if input():
    print("you get it right")
else:
    print('still confused')
```

```
5
you get it right
```

In [15]:
```python
num = int(input("x: ")) # 13

if num % 2:
    print('even')
else:
    print('odd')
```

```
x: 13
even
```

In [16]:
```python
num = int(input("x: ")) # 13

if num % 2:
    print('odd')
else:
    print('even')
```

```
x: 13
odd
```