## **Basic Data Types**

## **Defining a Variable**

```
In [1]: x = 5
In [2]: print(x)
        5
In [3]: x
Out[3]: 5
In [5]: 1x
          Input In [5]
            1x
        SyntaxError: invalid decimal literal
In [6]: | name = 'Ryan'
In [7]: |type(name)
Out[7]: str
In [8]: type(x)
Out[8]: int
        Numbers
In [9]: type(1.5)
Out[9]: float
In [ ]: 1.23456789
In [ ]: 12345678.9
```

```
In [10]: type(2j)
Out[10]: complex
In [11]: 1j * 1j
Out[11]: (-1+0j)
```

## **Strings**

## **Booleans**

```
In [15]: True
Out[15]: True
In [16]: False
Out[16]: False
In [18]: true = True
In [19]: 1 == 1
Out[19]: True
In [20]: 1 == 2
Out[20]: False
```

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In [ ]: