In [2]:
```
type ("321")
```

Out[2]: str

In [3]:
```
type ("Hello Javonn")
```

Out[3]: str

In [5]:
```
type (129)
```

Out[5]: int

In [6]:
```
type (-999)
```

Out[6]: int

In [105…
```
#type (09) - leading zeros in decimal integer literals are not permitted; use an
```

In [8]:
```
type (1_000_000)
```

Out[8]: int

In [9]:
```
type(13.56)
```

Out[9]: float

In [10]:
```
type(-2.1)
```

Out[10]: float

In [11]:
```
type(.33)
```

Out[11]: float

In [12]:
```
type(0.33)
```

Out[12]: float

In [28]:
```
#a name that refers to a value
```

In [32]:
```
Goku = 1
Gohan = 1.5
```

```
Vegeta = "2"
```

In [33]:
```
type(Goku)
```

Out[33]:
```
int
```

In [34]:
```
type(Gohan)
```

Out[34]:
```
float
```

In [36]:
```
type(Vegeta)
```

Out[36]:
```
str
```

In [106…
```
#type(goku) - name 'goku' is not defined
```

In [38]:
```
a_string = "27"
print (type(a_string))
```

```
<class 'str'>
```

In [39]:
```
print (a_string)
```

```
27
```

In [42]:
```
print()
```

In [43]:
```
an_int = int(a_string)
print (type(an_int))
```

```
<class 'int'>
```

In [45]:
```
print(an_int)
```

```
27
```

In [46]:
```
a_string = "27."
print (type(a_string))
```

```
<class 'str'>
```

In [107…
```
#print (yield) - invalid syntax
```

In [108…
```
#print (can't) -  EOL while scanning string literal
```

In [49]:
```
print (3.7)
```
```
3.7
```

In [50]:
```
x=3.7
```

In [53]:
```
print(5/2)
```
```
2.5
```

In [54]:
```
print (5//2)
```
```
2
```

In [55]:
```
# a combination of values, variables, and operators
```

In [56]:
```
print (2+3*5)
```
```
17
```

In [62]:
```
print ((2+3)*5)
```
```
25
```

In [58]:
```
print (2/3/5)
```
```
0.13333333333333333
```

In [63]:
```
print (2/(3/5))
```
```
3.3333333333333335
```

In [60]:
```
print (2*3/5)
```
```
1.2
```

In [61]:
```
print (-2**2)
```
```
-4
```

In [64]:
```
print (2**3**5)
```
```
14134776518227074636666380005943348126619871175004951664972849610340958208
```

In [66]:
```
print ((2**3)**5)
```
```
32768
```

In [67]:
```
print (2**(3**5))
```

```
14134776518227074636666380005943348126619871175004951664972849610340958208
```

In [68]:
```
# print (2**3**5) = print (2**(3**5))
```

In [69]:
```
print(5%2)
```

```
1
```

In [70]:
```
print(13%5)
```

```
3
```

In [72]:
```
print(4%2)
```

```
0
```

In [73]:
```
print(0%2)
```

```
0
```

In [74]:
```
print(-5%2)
```

```
1
```

In [75]:
```
"Hello" + "Joe"
```

Out[75]:
```
'HelloJoe'
```

In [76]:
```
"Hello" +"," + "Joe"
```

Out[76]:
```
'Hello,Joe'
```

In [84]:
```
3 * ("Hello" + " , " + "Joe " )
```

Out[84]:
```
'Hello , Joe Hello , Joe Hello , Joe '
```

In [104…
```
"A " + 2 * "Merry " + "Christmas " + "To You"
```

Out[104…
```
'A Merry Merry Christmas To You'
```

prompt = "What is the airspeed velocity of an unladen swallow?\n"

In [102…
```
#speed = input (17)
```

In [0]:
```

```

```
#Failed
```

In [100…

```
a_string = "25."
print (type(a_string))
```

```
<class 'str'>
```

In [101…

```
an_int = int(float(a_string))

print(type(an_int))
```

```
<class 'int'>
```

In [0]: