

Data Types – 1/3

```
# Text Type - Strings
```

```
a = 'This is my 1st string between single quotes' # any keyboard character set between quotes, string
```

[1] ✓ 0.5s

Python

```
# Numeric Types - Integer, Float, Complex
```

```
b = 7 # integer, whole number
```

```
c = 3.141592 # float, decimal number
```

```
d = 3 + 1j # complex number as in a + bi, where j = sqrt(-1)
```

[2] ✓ 0.4s

Python

```
# Sequence Types - List, Tuple, Range
```

```
e = ['coffee', 'espresso', 'tea'] # this is a list, note the square brackets []
```

```
f = ('coffee', 'espresso', 'tea') # this is a tuple, note the parenthesis ()
```

```
g = range(7) # this is a range of whole numbers from 0, 1, 2 ... 6
```

[3] ✓ 0.6s

Python

Data Types – 2/3

```
# Mapping Type - Dictionary
```

```
h = {'name': 'Johnny', 'location': 'Washington DC', 'age': 23} # this is a dict with keys & values  
# note the curly brackets with {'key': 'value'} pairs
```

[4] ✓ 0.5s

Python

```
# Set Types - Set, Frozen Set
```

```
i = {'chair', 'table', 'cup'} # this is a set, note the curly brackets {}  
j = frozenset({'chair', 'table', 'cup'})
```

[5] ✓ 0.6s

Python

```
# Boolean Type - Bool
```

```
k = True # note the capital T in True, can be used as equivalency to 1  
l = False # note the capital F in False, can be used as equivalency to 0
```

[6] ✓ 0.7s

Python

Data Types – 3/3

```
# Binary Types - Bytes, Bytearray, Memoryview
```

```
m = b'Ciao' # bytes
```

```
n = bytearray(3)
```

```
o = memoryview(bytes(4))
```

[7] ✓ 0.6s

Python