

Worksheet #1

Computing Workshop

Winter 2019

Types and values

For the following expressions:

1. Guess the type and result of evaluating the snippet.
2. Test the snippet in the Python REPL.
3. Did you get the right answer? If not, why?

Expression	Expected output	Expected output type	Were you right or wrong? Why?
"5" + 5			
"5 + 5"			
"five" + "five"			
not (True == (not True))			
not (True == True)			
5 + 5.0			
2/3			

Variables & data structures

For each code snippet:

1. Guess the type and result of evaluating the snippet.
2. Test the snippet in the Python REPL.
3. Did you get the right answer? If not, why?

Consider these code snippets:

1.

```
a = 4
b = 5
a = b
a + b
```
2.

```
d = "man"
e + d
e = "pac"
```
3.

```
f = 50
grades = [100, 70.5, f, 'B']
grades[2]
```
4.

```
poutine = ["cheese curds", "gravy", "fries"]
grocery_list = ["milk", "coffee", poutine]
grocery_list[2][1]
```

Snippet	Expected output	Expected output type	Were you right or wrong? Why?
Snippet #1			
Snippet #2			
Snippet #3			
Snippet #4			