

Problem Wk.3.1.1: If statements

Below is a transcript of a session with the Python shell. Provide the type and value of the expressions being evaluated. If evaluating an expression would cause an error, select `noneType` and write `error` in the box. If the result is a function, select `function` and write `function` in the box. Assume the following definitions have been made:

```
def a(x, y, z):
    if x:
        return y
    else:
        return z
def b(y,z):
    return a(y>z, y, z)
```

1. `>>> a(False, 2, 3)`

`noneType`
`int`
`float`
`boolean`
`function`

2. `>>> b(3,2)`

`noneType`

3. `>>> a(3>2, a, b)`

`noneType`

4. `>>> b(a,b)`

(Contrary to expectation, in Python, it is technically legal to compare functions. We actually were expecting this to generate an error, but it doesn't.)

`noneType`

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