

Problem Wk.5.1.1: More expressions

For each of the expressions below, specify its type and value. If it generates an error, select type `noneType` and put the word `error` in the box for the value. Assume we've made the following assignments:

```
> a = 'hi'  
> x = [1,2,[3,'John',4],'Hi']
```

1. a
noneType
int
float
boolean
function
string
list
tuple
2. a[0] noneType
3. a[1] noneType
4. a[2] noneType
5. x[0] noneType
6. x[2] noneType
7. x[-1] noneType
8. x[2][2] noneType
9. x[2][-1] noneType
10. x[-1][2] noneType
11. x[0:1] noneType
12. x[0:-1] noneType
13. len(x) noneType
14. (a, b, c, d) = x
c noneType
15. range(3) noneType
16. range(3,10) noneType
17. range(3,10,3) noneType
18. range(10,3) noneType
19. range(10,3,-1) noneType
20. range(len(x)) noneType
21. 'hi' == 'Hi' noneType
22. 2 in x noneType
23. 3 in x noneType
24. 'John' in x noneType
25. 'Hi' in x noneType
26. sum(range(4)) noneType
27. [x for x in range(3)] noneType
28. [x*2 for x in range(3)] noneType
29. sum([x*2 for x in range(3)]) noneType
30. [-x for x in [8, 2, 1]] noneType
31. def fizz(x): return x + 1

<code>[fizz(fizz(x)) for x in [8, 2, 1]]</code>	<code>noneType</code>	
32. <code>[x for x in range(10) if x%2 == 0]</code>	<code>noneType</code>	

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