## CSC148 Worksheet 16 Solution

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## Question 1

a. The doctests for the base case is

Using this fact, we can write

```
from typing import Union, List
      def nested_list_contains(obj: Union[int, List], item: int) -> bool:
          """Return whether the given item appears in <obj>.
          Note that if <obj> is an integer, this function checks whether
          <item> is equal to <obj>.
6
          >>> nested_list_contains(1,1)
          True
9
          >>> nested_list_contains(1,2)
10
          False
11
          0.00
12
13
          if isinstance(self, int):
14
              return obj == item
15
16
```

Listing 1: worksheet\_16\_q1a\_solution

## Question 2