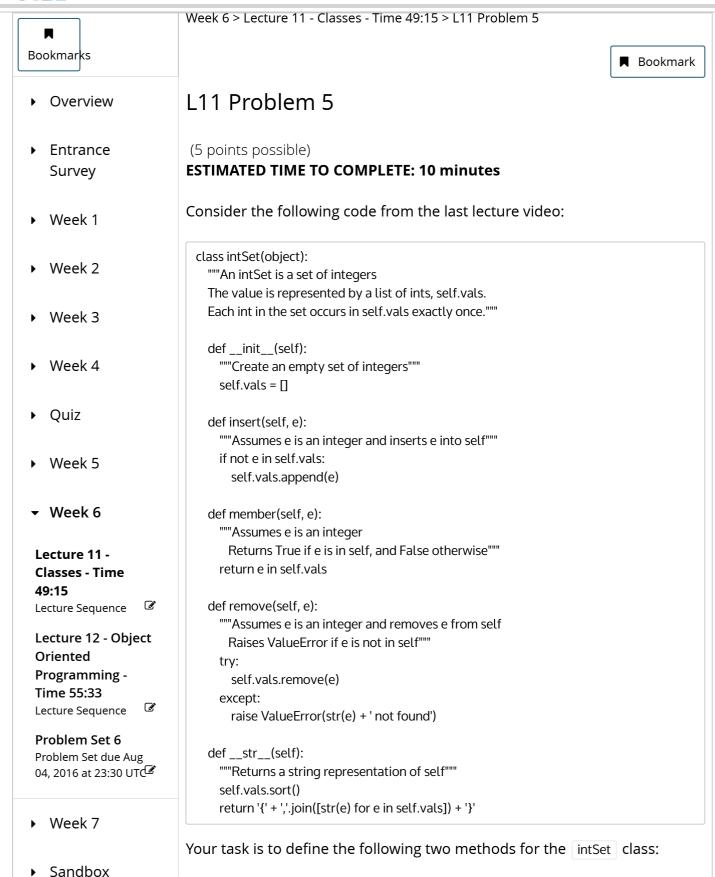


MITx: 6.00.1x Introduction to Computer Science and Programming Using P...



1. Define an intersect method that returns a new intSet containing elements that appear in both sets. In other words,

```
s1.intersect(s2)
```



would return a new intSet of integers that appear in both s1 and s2. Think carefully - what should happen if s1 and s2 have no elements in common?

2. Add the appropriate method(s) so that len(s) returns the number of elements in s.

Hint: look through the Python docs to figure out what you'll need to solve this problem.

```
1 class intSet(object):
     """An intSet is a set of integers
    The value is represented by a list of ints, self.vals.
 4
     Each int in the set occurs in self.vals exactly once."""
 5
 6
    def __init__(self):
 7
       """Create an empty set of integers"""
 8
       self.vals = []
 9
10
    def insert(self, e):
11
       """Assumes e is an integer and inserts e into self"""
12
       if not e in self.vals:
13
          self.vals.append(e)
14
def member(self, e):
       """Assumes e is an integer
```

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Unanswered















