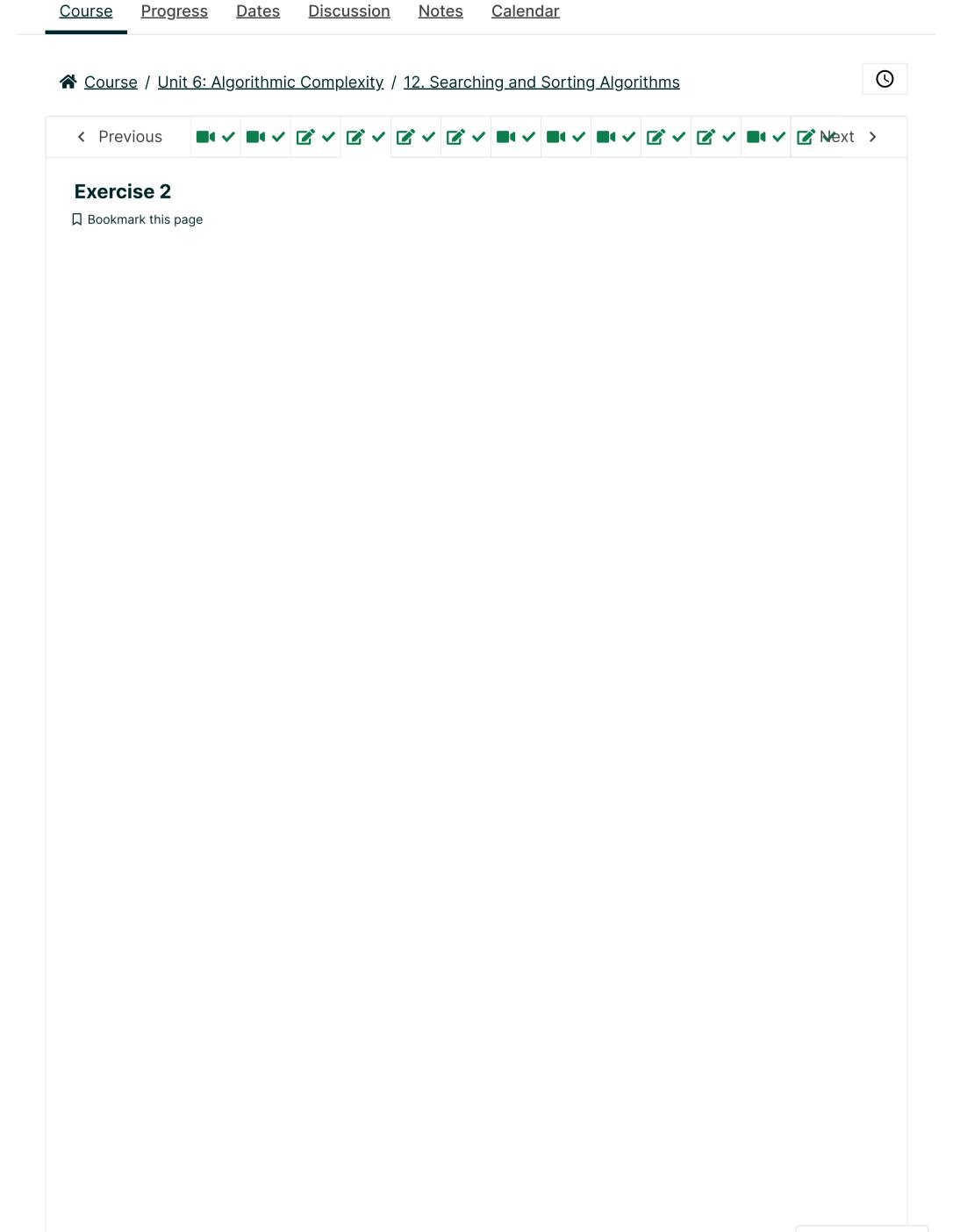
<u>Help</u>

shengtatng ~



Finger Exercises due Oct 27, 2022 07:30 +08 Completed

Exercise 2

1/1 point (graded)

ESTIMATED TIME TO COMPLETE: 5 minutes

Previous

Here is some code for linear search that uses the fact that a set of elements is sorted in increasing order:

```
def search(L, e):
for i in range(len(L)):
    if L[i] == e:
        return True
    if L[i] > e:
        return False
return False
```

Consider the following code, which is an alternative version of search.

```
def search1(L, e):
for i in L:
    if i == e:
        return True
    if i > e:
        return False
return False
```

Which of the following statements is correct? You may assume that each function is tested with a list L whose elements are sorted in increasing order; for simplicity, assume L is a list of positive integers.

search and search1 return the same answers.	
search and search1 return the same answers provided L is non-empty.	
search and search1 return the same answers provided L is non-empty and e is in	L.
search and search1 do not return the same answers.	
search and search1 return the same answers for lists of length 0 and 1 only.	
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