You have 15 minutes to complete this quiz.

1. Consider the recursive implementation of the function fibo. What output does the function produce, if we execute the function call fibo(6)?

```
def fibo(n):
# Base cases
if n == 1 or n == 2:
    return 1
# Recursive case
else:
    answer1 = fibo(n-1)
    print n
    answer2 = fibo(n-2)
    return answer1 + answer2
```

Consider the recursive function binarySearch given below. Let L be the list [3, 15, 16, 21, 100, 103, 160, 178, 200]. What output would the function produce if we executed the function call binarySearch(L, 196, 0, 8)? Also, write down the sequence of numbers that 196 is compared with during the course of the function execution.

```
def binarySearch(L, k, left, right):
print left, right
if left > right:
    return -1

mid = (left + right)/2 # index of the middle element
if L[mid] == k:
    return mid
elif L[mid] < k:
    return binarySearch(L, k, mid+1, right)
elif L[mid] > k:
    return binarySearch(L, k, left, mid-1)
```