

Quiz

It's quiz time! Test yourself by solving these questions about binary search.

1

Binary search is only applicable in case of sorted lists.

2

What is the worst-case time complexity of the recursive approach of a binary search?

3

What is the worst case time complexity of the iterative approach of a

What is the worst-case time complexity of the iterative approach of a binary search?

4

Binary search works by comparing the target element with the values on the first and the last index of a list.

5

What is the output of the following code?

```
def binary_search_recursive(data, target, low, high):
    if low > high:
        return False
    else:
        mid = (low + high) // 2
        if target < data[mid]:
            return binary_search_recursive(data, target, low,
mid-1)
        else:
            return binary_search_recursive(data, target, mid+
1, high)
```

```
1, high)  
data = [2,4,5,7,8,9]  
target = 2  
print(binary_search_recursive(data, target, 0, 5))
```

Check Answers