

PROGRAMMING IN PYTHON LAB

# Pre Lab Quiz 3.1

Rajdeep Jaiswal

Final Grade

Submitted 4/14/22, 11:41 PM (UTC+5:30)

5 / 5

Question scores appear after all grades are posted

Assignment Content

## Question 1

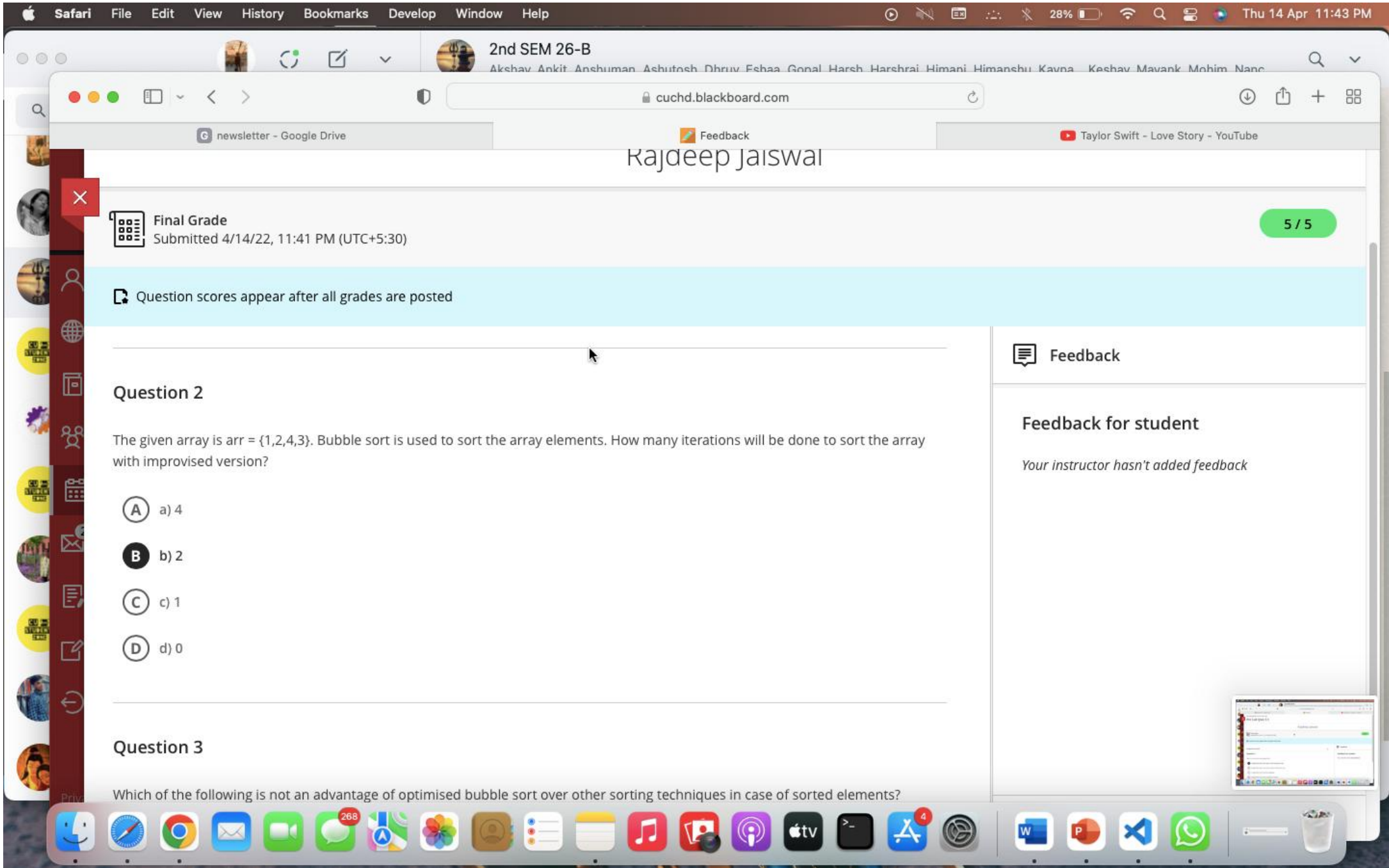
What is an external sorting algorithm?

- A) a) Algorithm that uses tape or disk during the sort
- B) b) Algorithm that uses main memory during the sort
- C) c) Algorithm that involves swapping
- D) d) Algorithm that are considered 'in place'

Feedback

### Feedback for student

Your instructor hasn't added feedback



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### Question 2

The given array is arr = {1,2,4,3}. Bubble sort is used to sort the array elements. How many iterations will be done to sort the array with improvised version?

- (A) a) 4
- (B) b) 2
- (C) c) 1
- (D) d) 0

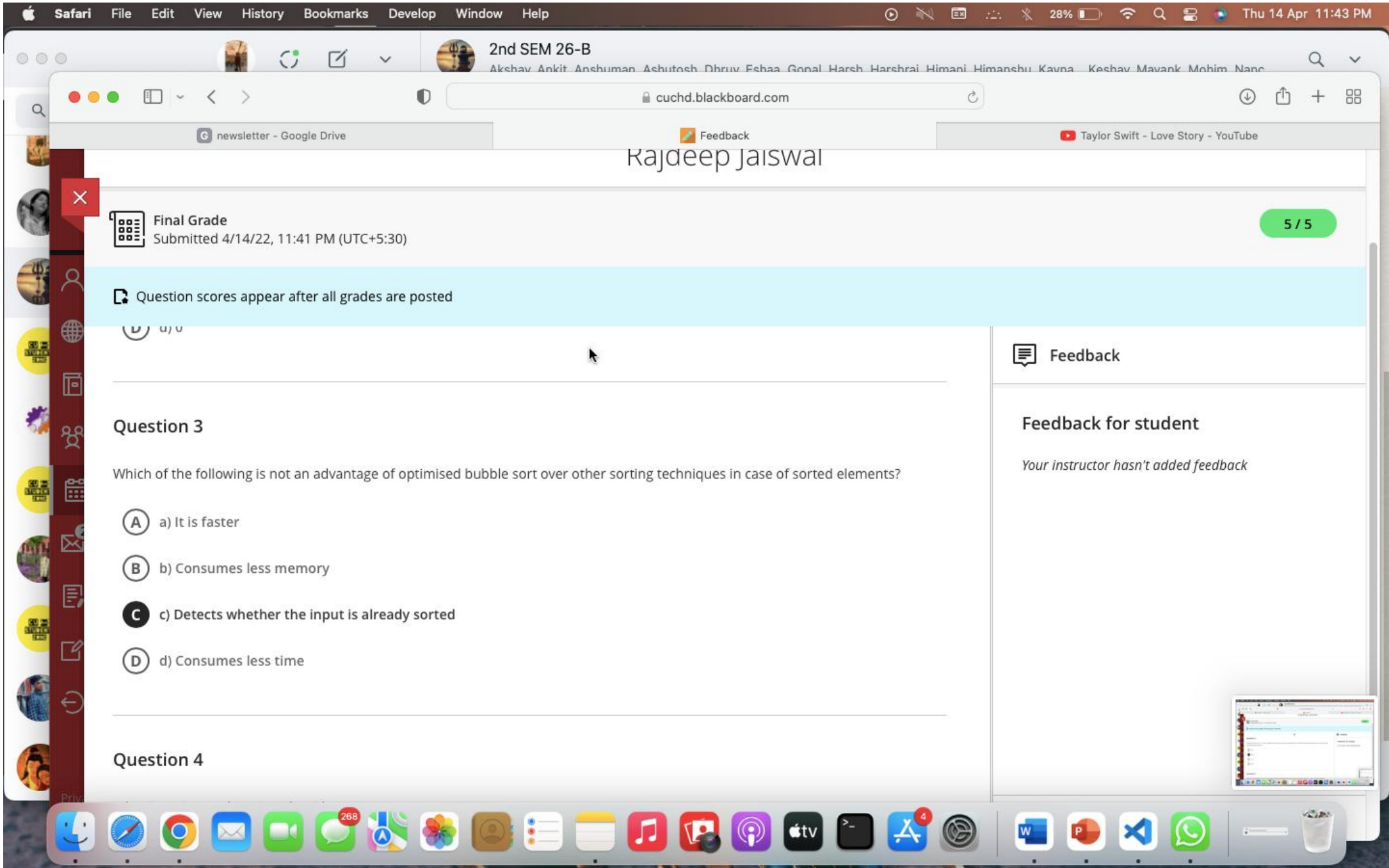
### Question 3

Which of the following is not an advantage of optimised bubble sort over other sorting techniques in case of sorted elements?

### Feedback

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Your instructor hasn't added feedback



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## Question 3

Which of the following is not an advantage of optimised bubble sort over other sorting techniques in case of sorted elements?

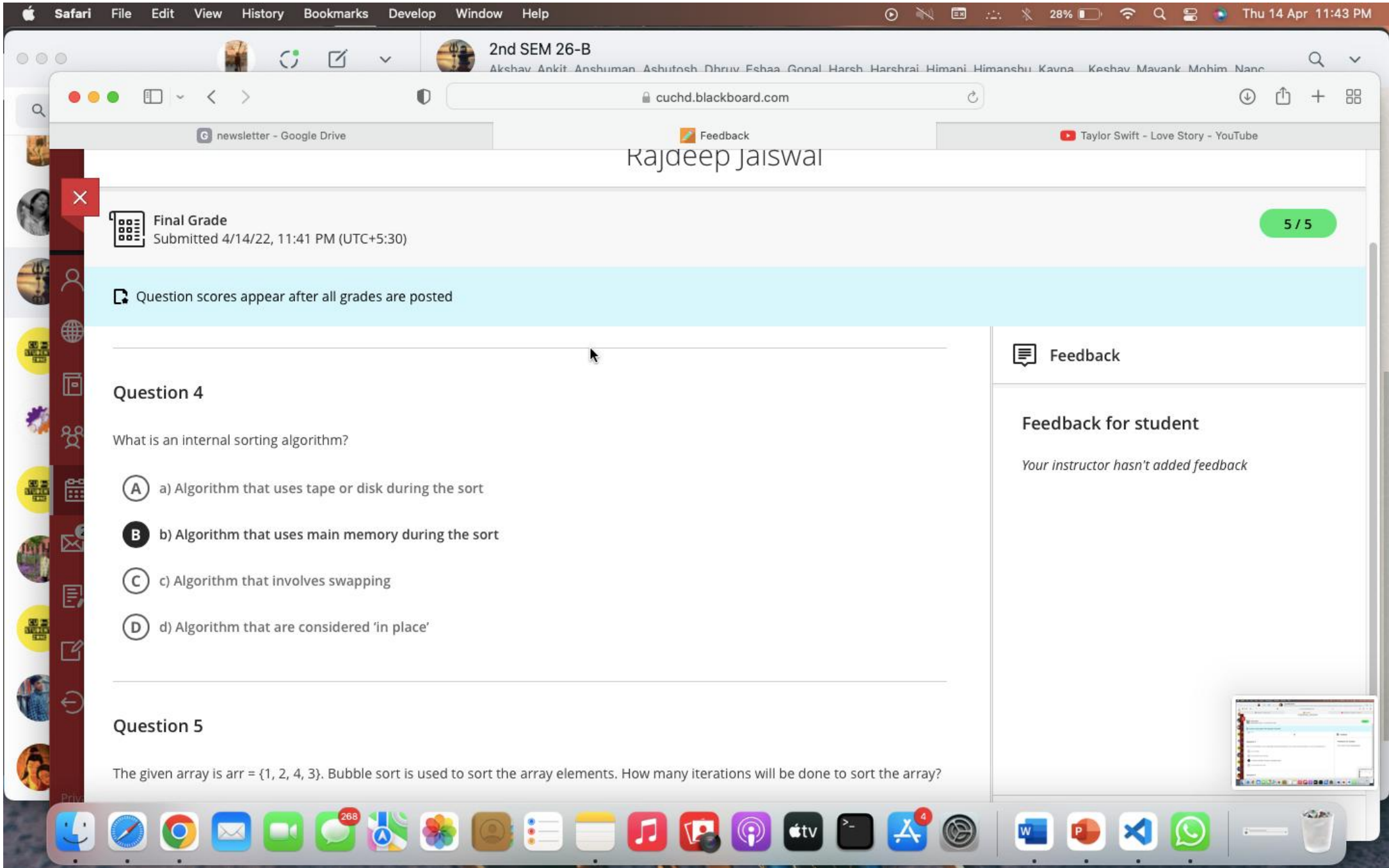
- (A) a) It is faster
- (B) b) Consumes less memory
- (C) c) Detects whether the input is already sorted
- (D) d) Consumes less time

## Question 4

### Feedback

#### Feedback for student

*Your instructor hasn't added feedback*



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Question 4

What is an internal sorting algorithm?

- a) Algorithm that uses tape or disk during the sort
- b) Algorithm that uses main memory during the sort
- c) Algorithm that involves swapping
- d) Algorithm that are considered 'in place'

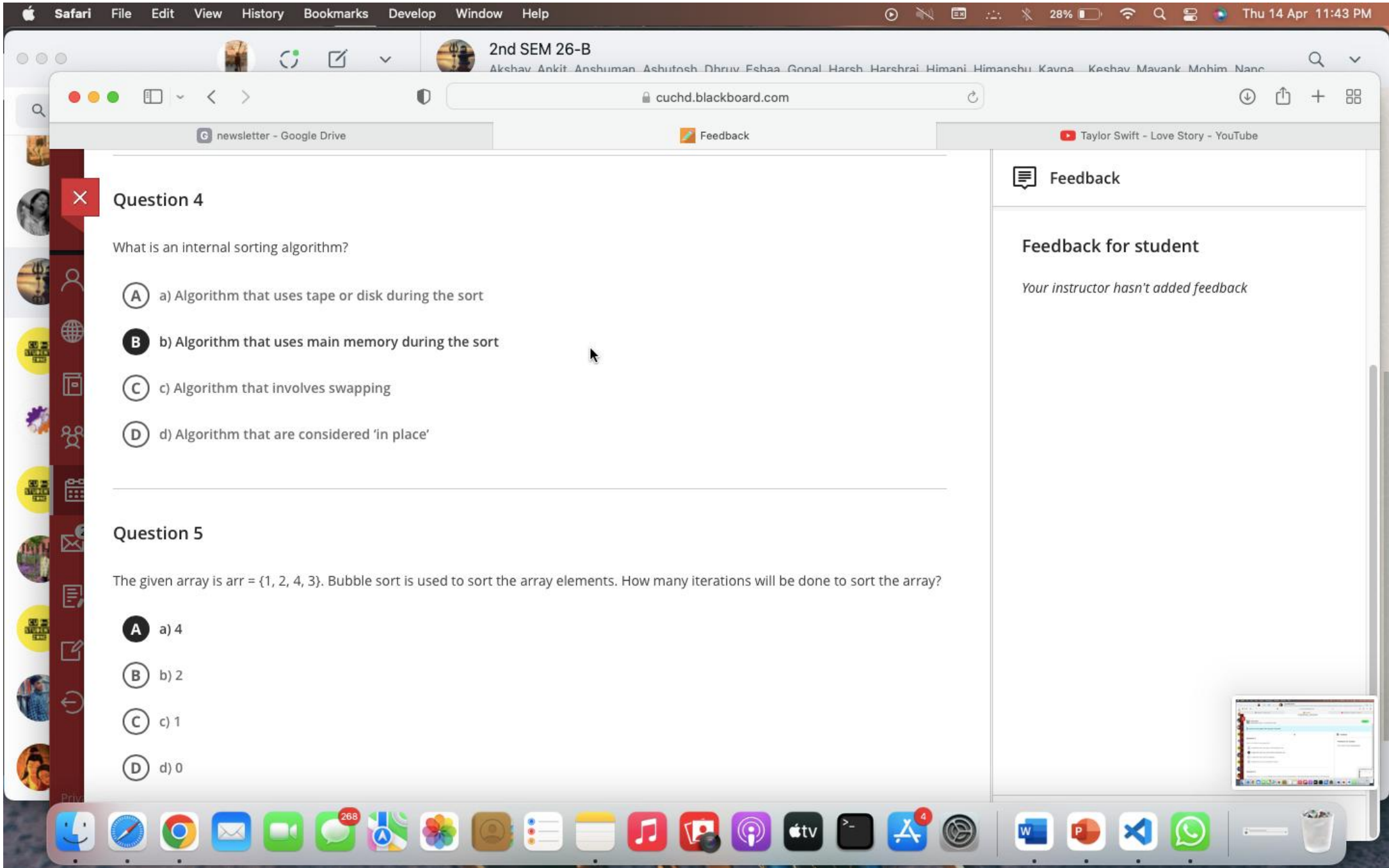
Question 5

The given array is arr = {1, 2, 4, 3}. Bubble sort is used to sort the array elements. How many iterations will be done to sort the array?

Feedback

Feedback for student

Your instructor hasn't added feedback



### Question 4

What is an internal sorting algorithm?

- A) a) Algorithm that uses tape or disk during the sort
- B) b) Algorithm that uses main memory during the sort
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- D) d) Algorithm that are considered 'in place'

### Question 5

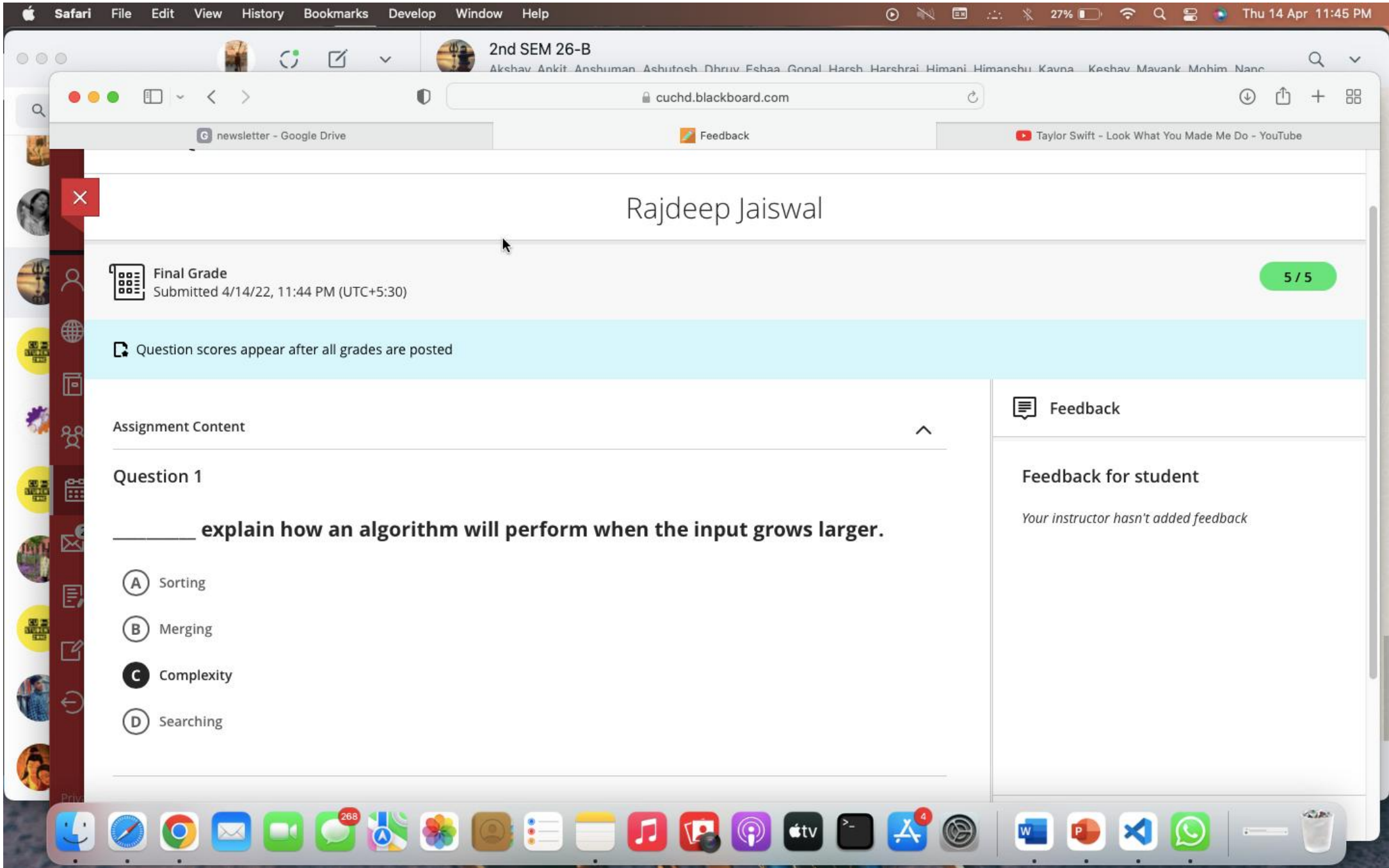
The given array is  $arr = \{1, 2, 4, 3\}$ . Bubble sort is used to sort the array elements. How many iterations will be done to sort the array?

- A) a) 4
- B) b) 2
- C) c) 1
- D) d) 0

### Feedback

#### Feedback for student

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Submitted 4/14/22, 11:44 PM (UTC+5:30)

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Assignment Content

Question 1

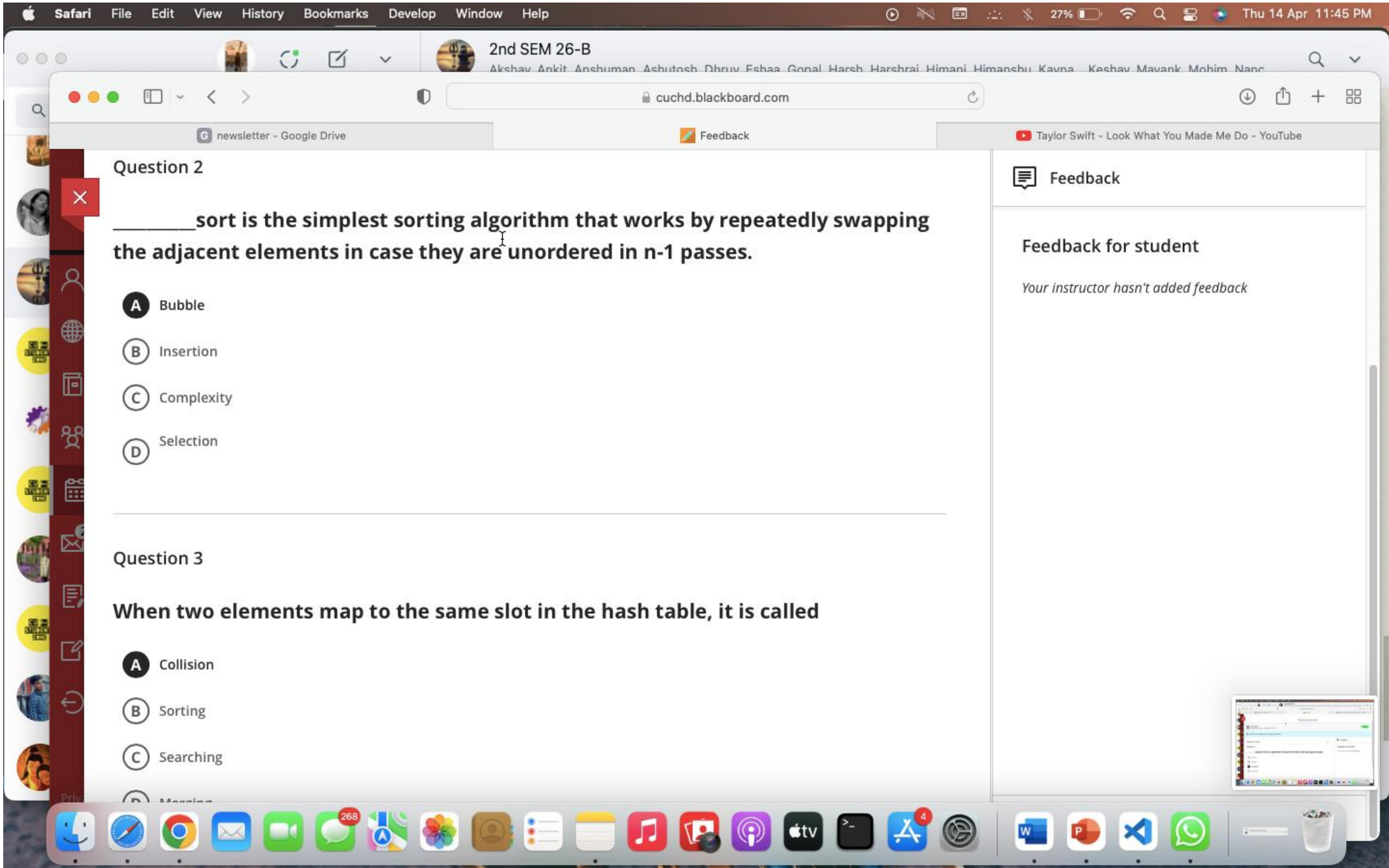
\_\_\_\_\_ explain how an algorithm will perform when the input grows larger.

- (A) Sorting
- (B) Merging
- (C) Complexity
- (D) Searching

Feedback

Feedback for student

Your instructor hasn't added feedback



Question 2

\_\_\_\_\_ sort is the simplest sorting algorithm that works by repeatedly swapping the adjacent elements in case they are unordered in  $n-1$  passes.

- A Bubble
- B Insertion
- C Complexity
- D Selection

Question 3

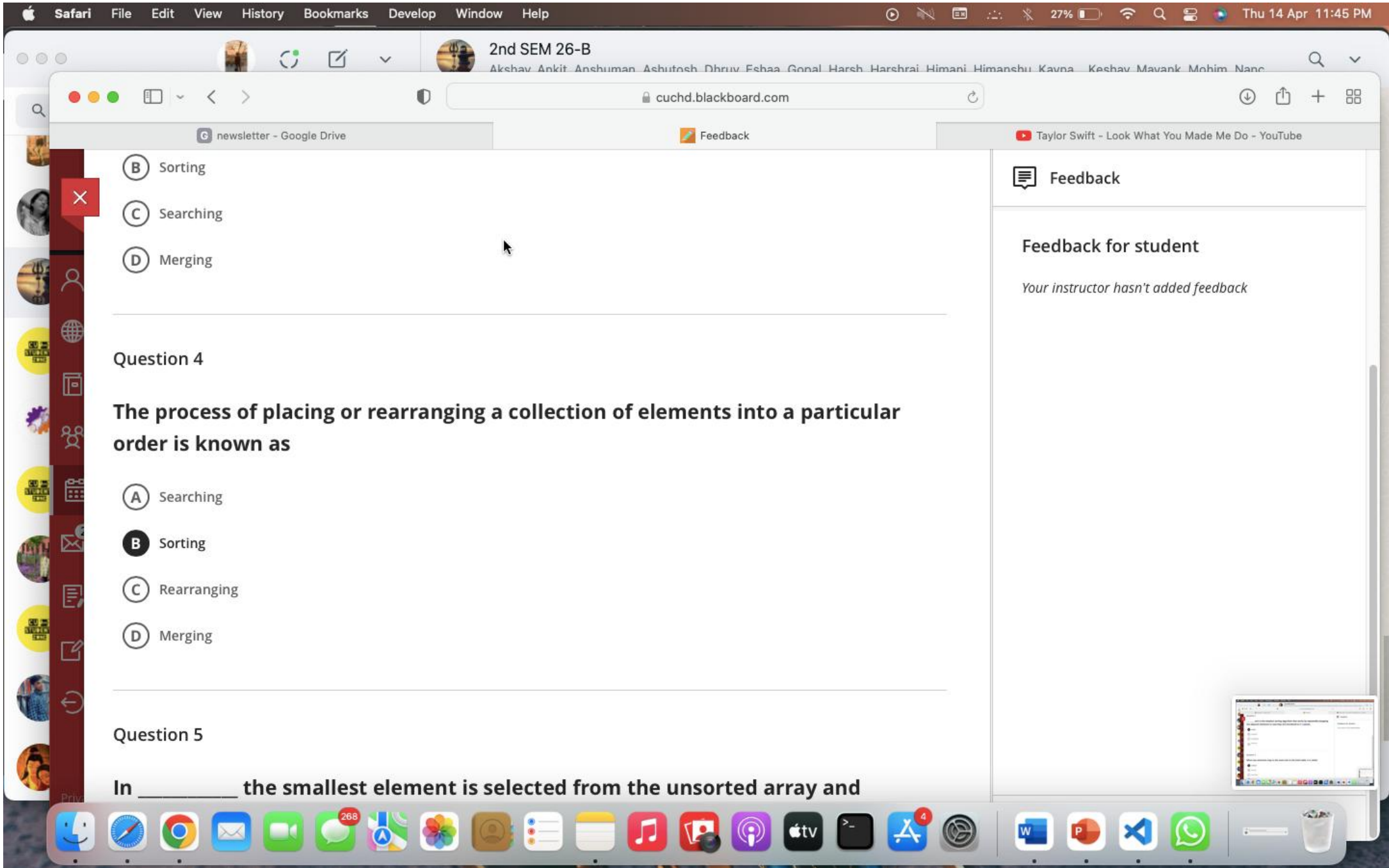
When two elements map to the same slot in the hash table, it is called

- A Collision
- B Sorting
- C Searching
- D Missing

Feedback

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Your instructor hasn't added feedback



- B) Sorting
- C) Searching
- D) Merging

Question 4

The process of placing or rearranging a collection of elements into a particular order is known as

- A) Searching
- B) Sorting
- C) Rearranging
- D) Merging

Question 5

In \_\_\_\_\_ the smallest element is selected from the unsorted array and

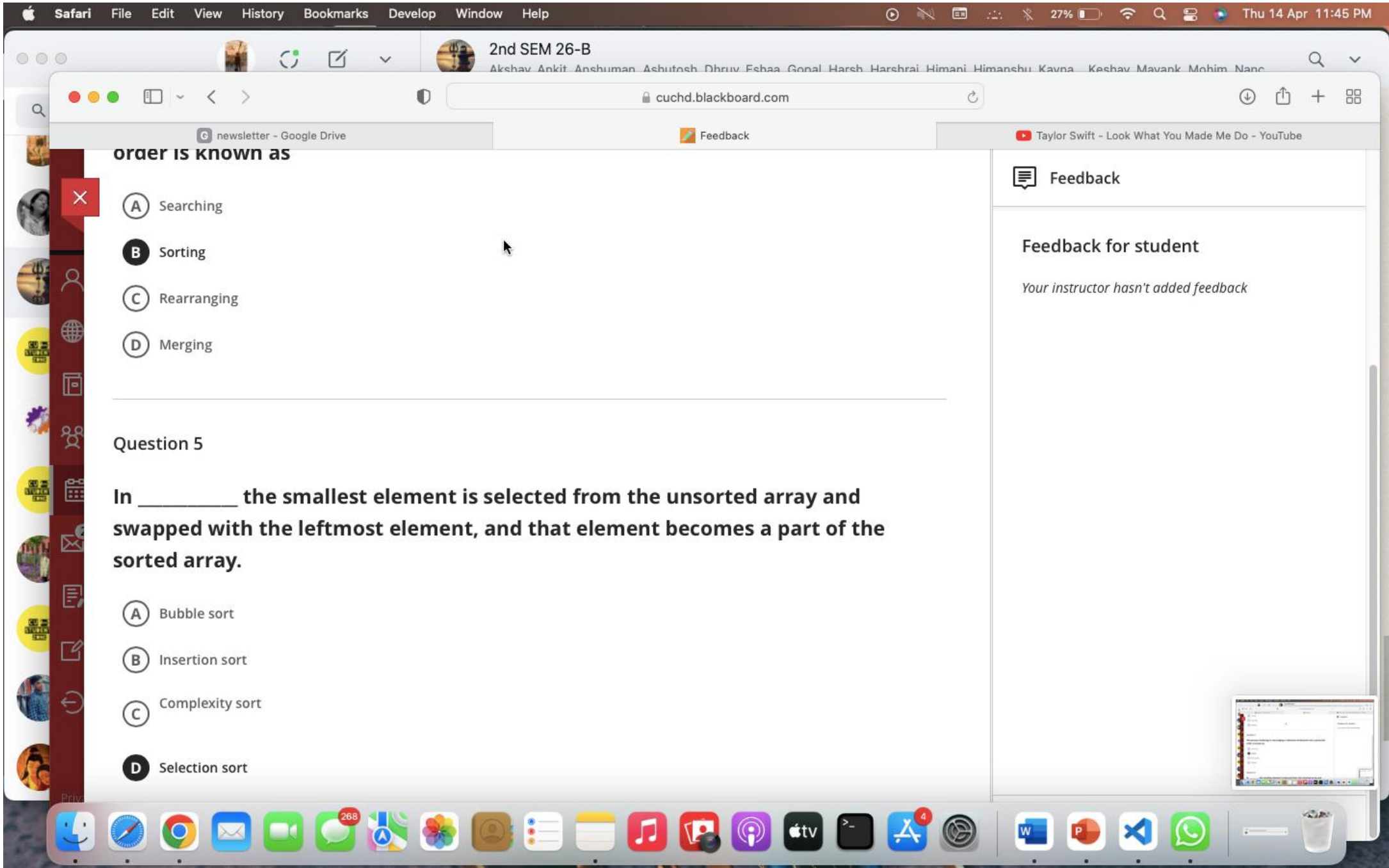
Feedback

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order is known as

- (A) Searching
- (B) Sorting
- (C) Rearranging
- (D) Merging

Question 5

In \_\_\_\_\_ the smallest element is selected from the unsorted array and swapped with the leftmost element, and that element becomes a part of the sorted array.

- (A) Bubble sort
- (B) Insertion sort
- (C) Complexity sort
- (D) Selection sort

Feedback

Feedback for student

Your instructor hasn't added feedback

