1. In Bubble Sort, how are elements compared and sorted?

A. By comparing adjacent elements and swapping if necessary
B. By selecting the smallest element and moving it to the start
C. By dividing the list into two halves and sorting each half
D. By moving the largest element to the end in each iteration

2. In Python, how can Bubble Sort be improved to stop early if the array is already sorted?

A. Using a break statement when no swaps occur in an iteration
B. Decreasing the number of iterations by half
C. Sorting the array in reverse order first
D. Using a different sorting algorithm

3. What is the space complexity of Bubble Sort?

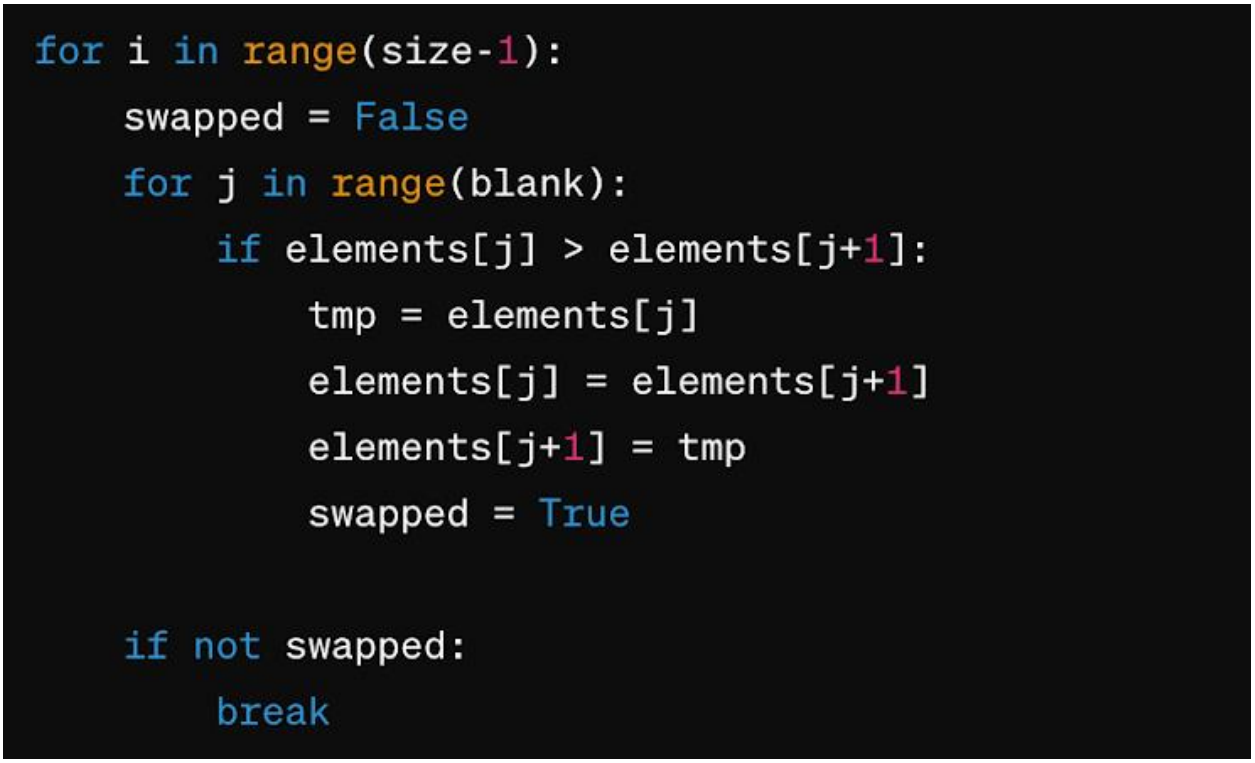
A. O(n)
B. O(n log n)
C. O(n^2)
D. O(1)

4.How many times does the outer loop of Bubble Sort run for an array of size 'n'?

A. n
B. n-1
C. n/2
D. 2n

5. For the given bubble sort algorithm:

If we want to sort the elements ["apple", "banana", "orange", "kiwi"], what should be the value of blank?



```
for i in range(size-1):
    swapped = False
    for j in range(blank):
        if elements[j] > elements[j+1]:
            tmp = elements[j]
            elements[j] = elements[j+1]
            elements[j+1] = tmp
            swapped = True

    if not swapped:
        break
```

A. Size-1-i
B. size-i
C. size
D. i