

Course is completed. The course result can no longer be changed.

## Stack and Queue



Home / Course / Stack and Queue / Quiz

< Stack and Queue	📌
✓ Introduction	▼
✓ Theoretical Material	▼
✓ Quiz	▲
🎯 Quiz	
✓ Practice	▼
✓ Course Completion	▼

< PREVIOUS

NEXT >

### Quiz

🔖 Bookmark this page



Now, it's time for a short quiz to recap what you've learned. The quiz is **graded**, so you can take it only once. Each question will be followed by feedback explaining why your answer is right or wrong. If your answer is incorrect, you will see a suggestion of what you might need to refresh your memory.

Good luck!

Read the question below and select the correct answer. Then, click "Submit."

Suppose you have a stack with N integers in it. Your friend Kate asks you to perform K operations ('.pop()', '.peak()', and '.push()') and guarantees that the operations will be valid. What would be the complexity of performing the operations Kate asked you to help her with?

- ☐ O(N)
- ☐ O(K logK)
- ☐ O(N+K)
- ☒ O(K)
- ☐ O(N + K/N)
- ☐ O(K/N + K)



Correct: Well done!

Submit You have used 1 of 1 attempt

Read the question below and select the correct answer. Then, click "Submit."

Your friend Mike has a math exam in 10 days (about a week and a half). He is going to spend the next week reviewing the topics he studied throughout the semester. He also believes that the FIFO approach is the best way to review information. In what order should he review the topics?

- ☒ He should review the topics covered first and then move on to the ones covered later in the course.
- ☐ He should first review the most recent topics and then return to the ones covered earlier in the course.



Correct: Great job!

Submit You have used 1 of 1 attempt

Read the question below and select the correct answer. Then, click "Submit."

What value will be returned by the last operation in the series below?

```
x = Stack()
x.add(2)
x.add(3)
x.add(134)
x.pop()
... add more
```

x.arr[1]  
x.peak()

☐ [2, 3]

☐ (2, 3)

☐ (1, 3)

☒ 1

☐ 2

☐ 3

☐ 134



Correct: Well done!

Submit

You have used 1 of 1 attempt

*Read the question below and select the correct answer. Then, click "Submit."*

Decide whether the following statement is true or false.

The queue data structure is based on the FIFO approach.

☒ True

☐ False



Correct: Good job!

Submit

You have used 1 of 1 attempt

< PREVIOUS

NEXT >

© All Rights Reserved