

Started on	Friday, 16 February 2024, 8:06 PM
State	Finished
Completed on	Friday, 16 February 2024, 8:20 PM
Time taken	14 mins 49 secs
Marks	9.00/9.00
Grade	10.00 out of 10.00 (100%)

Question 1

Complete

Mark 1.00 out of 1.00

Insert and Delete operations in a queue are called as,

Select one:

- ☐ a. Push and Pop
- ☒ b. Enqueue and Dequeue
- ☐ c. In and Out
- ☐ d. None of the above

Question 2

Complete

Mark 1.00 out of 1.00

Insert and Delete operations in a stack are called as,

Select one:

- ☒ a. Push and Pop
- ☐ b. Enqueue and Dequeue
- ☐ c. In and Out
- ☐ d. None of the above

Question 3

Complete

Mark 1.00 out of 1.00

Which of the following correctly describes a queue?

Select one or more:

- ☒ a. First-in First-out
- ☐ b. Last-in First-out
- ☒ c. Linear
- ☐ d. Non-linear

Question 4

Complete

Mark 1.00 out of 1.00

Which of the following correctly describes a stack?

Select one or more:

- ☐ a. First-in First-out
- ☒ b. Last-in First-out
- ☒ c. Linear
- ☐ d. Non-linear

Question 5

Complete

Mark 1.00 out of 1.00

You are copying several songs from your computer to your mobile phone. You want to listen to the songs in the same order as you copied. Which data structure will you use?

Select one:

- ☐ a. Stack
- ☒ b. Queue
- ☐ c. None

Question 6

Complete

Mark 1.00 out of 1.00

You run an online business and you need to process orders from multiple customers. Which data structure will you use to store the orders before processing them?

Select one:

- ☐ a. Stack
- ☒ b. Queue
- ☐ c. None

Question 7

Complete

Mark 1.00 out of 1.00

Which data structure will you use to implement the UNDO function which can be used to remove the last change made in computer applications?

Select one:

- ☒ a. Stack
- ☐ b. Queue
- ☐ c. None

Question 8

Complete

Mark 1.00 out of 1.00

What will be the contents of a queue after the following sequence of operations? (assume left side as the head of the queue)

enqueue (5)

enqueue (8)

dequeue

enqueue (6)

enqueue (5)

enqueue (9)

dequeue

Note: Suppose the queue contains the values a, b, and c, you can input the values in one of the following formats.

a,b,c

a b c

abc

Answer: 6,5,9

Question 9

Complete

Mark 1.00 out of 1.00

What will be the contents of a stack after the following sequence of operations? (assume right side as the top of the stack)

push (5)

push (8)

pop

push (6)

push (5)

push (9)

pop

Note: Suppose the stack contains the values a, b, and c, you can input the values in one of the following formats.

a,b,c

a b c

abc

Answer: 5,6,5

◀ 1.1 Lists as Queues and Stacks

Jump to...

1.2 Sets ▶

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