<u>Dashboard</u> / My courses /	<u>CS102 2024 1</u> /	General /	StackQueue (New)		

Started on	Tuesday, 12 March 2024, 10:07 AM
State	Finished
Completed on	Tuesday, 12 March 2024, 10:14 AM
Time taken	6 mins 58 secs
Grade	30.00 out of 30.00 (100 %)
Question 1	
Correct	
Mark 1.00 out of 1.00	

How many queues are needed to implement stack?

- a. 3
- O b. 0
- O c. 1
- d. 2
- e. 4

Your answer is correct.

The correct answer is:

2

what is the overflow condition of circular Queue? a. Front = 0 and Rear = Max-1 b. Front = -1 and Rear = Max+1 c. Front = 1 and Rear = Max-1 d. None of these e. Front = 0 and Rear = Max Your answer is correct. The correct answer is: Front = 0 and Rear = Max-1 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3	Question 2		
What is the overflow condition of circular Queue? ③ a. Front = 0 and Rear = Max-1 ○ b. Front = -1 and Rear = Max+1 ○ c. Front = 1 and Rear = Max-1 ○ d. None of these ○ e. Front = 0 and Rear = Max Your answer is correct. The correct answer is: Front = 0 and Rear = Max+1 Journal Surviving 3 Journal Surviving 3 Journal Surviving 4 Journal Surviving 4 Journal Surviving 5 Journal Surviving 6 Journal Surviving 7 Journal Surviving 8 Journal Surviving 9 J			
■ a. Front = 0 and Rear = Max+1 □ b. Front = -1 and Rear = Max+1 □ c. Front = 1 and Rear = Max-1 □ d. None of these □ e. Front = 0 and Rear = Max Your answer is correct. The correct answer is: Front = 0 and Rear = Max-1 Detection 3 Detection 3 Detection 4 And 1:00 out of 1:00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? □ a. 5 □ b. 1 □ c. 0 □ d. 2 □ e. 3 Your answer is correct. The correct answer is:	viark 1.00 out of 1.00		
 b. Front = -1 and Rear = Max+1 c. Front = 1 and Rear = Max-1 d. None of these e. Front = 0 and Rear = Max Your answer is correct. The correct answer is Front = 0 and Rear = Max-1 Duestion 3 Onect Mark 1.00 out of 1.00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	What is the overflow o	ondition of circular Queue?	
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 d. None of these e. Front = 0 and Rear = Max Your answer is correct. The correct answer is: Front = 0 and Rear = Max-1 June 5 or The correct answer is: Front = 0 and Rear = Max-1 June 5 or The correct answer is: June 5 or The correct answer is: In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	○ b. Front = -1 and	Rear = Max+1	
Oue storn 3 Covered to Anak 1.00 out of 1.00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? ○ a. 5 ○ b. 1 ○ c. 0 ○ d. 2 ○ e. 3 Your answer is correct. The correct answer is:	c. Front = 1 and R	ear = Max-1	
Your answer is correct. The correct answer is: Front = 0 and Rear = Max-1 Aukstion 3 Correct Auk 1.00 out of 1.00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	Od. None of these		
The correct answer is: Front = 0 and Rear = Max-1 Supersion 3 Correct Jank 1.00 out of 1.00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	e. Front = 0 and F	ear = Max	
Front = 0 and Rear = Max-1 Question 3 Correct Alark 1.00 out of 1.00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	Your answer is correct		
Question 3 Correct Mark 1.00 out of 1.00 In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? □ a. 5 □ b. 1 □ c. 0 □ d. 2 □ e. 3 Your answer is correct. The correct answer is:			
In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	Front = 0 and Rear = I	Лах-1	
In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	Question 3		
In a circular queue implementation using array of size 5, the array index starts with 0 where front and rear values are 3 and 4 respectively. What is the array index at which the insertion of the next element take place? a. 5 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:			
 b. 1 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:			
 c. 0 d. 2 e. 3 Your answer is correct. The correct answer is:	a. 5		
d. 2e. 3 Your answer is correct. The correct answer is:	O b. 1		
e. 3Your answer is correct.The correct answer is:	© c. 0		~
Your answer is correct. The correct answer is:	O d. 2		
The correct answer is:	○ e. 3		
	Your answer is correct		
0			
	0		

Question 4 Correct		
Mark 1.00 out of 1.00		
The stack and Oueue operat	ons follows the principle of and resp	postivoly
	ons follows the principle of and resp	Jectivery.
a. None of these		
b. FIFO and LIFO		
c. LIFO and LIFO		
d. FIFO and FIFO		
e. LIFO and FIFO		~
Your answer is correct.		
The correct answer is:		
LIFO and FIFO		
Question 5		
Correct		
Mark 1.00 out of 1.00		
	o represent a Queue. A single variable "p" is used rations enQueue and deQueue are performed in	d to access the queue. To which node should the "p" constant time?
P ?		
o a. None of these		
b. Rear node		~
b. Rear nodec. Node Next to Front		✓
	le pointer	✓
o c. Node Next to Front	le pointer	✓
c. Node Next to Frontd. Not possible with sing	le pointer	
c. Node Next to Frontd. Not possible with sinee. Front Node	le pointer	

which of the following statement is true? a. We can convert a stack to a queue b. We can convert a queue to a stack c. Both of the above d. None of the above Your answer is correct. The correct answer is: Both of the above	· · · · · · · · · · · · · · · · · · ·	, , , , ,
Which of the following statement is true? a. We can convert a stack to a queue b. We can convert a queue to a stack c. Both of the above d. None of the above Your answer is correct. The correct answer is: Both of the above What is the time complexity to insert an element into the queue? a. O(nlgn) b. ○ c. O(1) d. O(nn) Your answer is correct.	Question 6	
Which of the following statement is true? ○ a. We can convert a stack to a queue ○ b. We can convert a queue to a stack ◎ c. Both of the above ✓ ✓ d. None of the above ✓ Your answer is correct. The correct answer is: Both of the above What is the time complexity to insert an element into the queue? ○ a. O(n!gn) ○ b. ○ ○ c. O(1) ○ d. O(\(\frac{1}{2}\)) ✓ Your answer is correct. The correct answer is:	orrect	
 a. We can convert a stack to a queue b. We can convert a queue to a stack c. Both of the above ✓ Your answer is correct. The correct answer is: Both of the above Section 7 Ornect Jark 1.00 out of 1.00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O? c. O(1) d. O(√n) Your answer is correct. The correct answer is:	1ark 1.00 out of 1.00	
 a. We can convert a stack to a queue b. We can convert a queue to a stack c. Both of the above ✓ Your answer is correct. The correct answer is: Both of the above Powertion 7 Formet Jank 1,00 out of 1,00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O ● c. O(1) d. O(√n) Your answer is correct. The correct answer is correct. The correct answer is:		
 a. We can convert a stack to a queue b. We can convert a queue to a stack c. Both of the above ✓ Your answer is correct. The correct answer is: Both of the above Powertion 7 Formet Jank 1,00 out of 1,00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O ● c. O(1) d. O(√n) Your answer is correct. The correct answer is correct. The correct answer is correct. The correct answer is:	NATIONAL OF ALL OF ALL OF A MANAGEMENT OF A MA	
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© c. Both of the above d. None of the above Your answer is correct. The correct answer is: Both of the above uestion 7 orrect tank 1.00 out of 1.00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O ♥ c. O(1) d. O(√n) Your answer is correct. The correct answer is:		
O d. None of the above Your answer is correct. The correct answer is: Both of the above westion 7 orrect tank 1.00 out of 1.00 What is the time complexity to insert an element into the queue? ○ a. O(nlgn) ○ b. O ○ c. O(1) ○ d. O(\(\text{n}\)) Your answer is correct. The correct answer is:	Ob. We can convert a queue to a stack	
O d. None of the above Your answer is correct. The correct answer is: Both of the above westion 7 orrect tank 1.00 out of 1.00 What is the time complexity to insert an element into the queue? ○ a. O(nlgn) ○ b. O ○ c. O(1) ○ d. O(\(\text{n}\)) Your answer is correct. The correct answer is:	Roth of the above	✓
Your answer is correct. The correct answer is: Both of the above The correct answer is: Both of the above To orrect Tank 1.00 out of 1.00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O? c. O(1) d. O(\(\frac{1}{2}\)) Your answer is correct. The correct answer is:	C. Botti of the above	
The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is:	Od. None of the above	
The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is:		
The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is: Both of the above Tourset The correct answer is:		
Both of the above Ruestion 7 Forrect Rark 1.00 out of 1.00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O? c. O(1) d. O(√n) Your answer is correct. The correct answer is:	Your answer is correct.	
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orrect fark 1.00 out of 1.00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O c. O(1) d. O(√n) Your answer is correct. The correct answer is:		
orrect fark 1.00 out of 1.00 What is the time complexity to insert an element into the queue? a. O(nlgn) b. O c. O(1) d. O(√n) Your answer is correct. The correct answer is:		
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what is the time complexity to insert an element into the queue? a. O(nlgn) b. O c. O(1) d. O(√n) Your answer is correct. The correct answer is:		
What is the time complexity to insert an element into the queue? a. O(nlgn) b. O c. O(1) d. O(√n) Your answer is correct. The correct answer is:		
 a. O(nlgn) b. O c. O(1) d. O(√n) Your answer is correct. The correct answer is:	Mark 1.00 out of 1.00	
© c. $O(1)$ O d. $O(\sqrt{n})$ Your answer is correct. The correct answer is:	a. O(nlgn)	
O d. $O(\sqrt{n})$ Your answer is correct. The correct answer is:	○ b. O	
O d. $O(\sqrt{n})$ Your answer is correct. The correct answer is:	0.0(1)	~
Your answer is correct. The correct answer is:	© C. O(1)	
The correct answer is:	○ d. O(√n)	
The correct answer is:		
The correct answer is:	Vour answer is correct	
	-10	

Question **8**Correct

Mark 2.00 out of 2.00

A Max-heap initially has 5 elements. The level-order traversal of the heap is: 10, 8, 5, 3, 2. Two new elements 1 and 7 are inserted into the heap in that order. The level-order traversal of the heap after the insertion of the elements is:

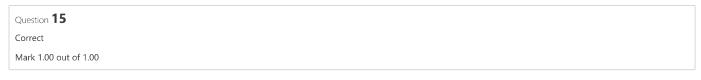
Select one:

- 0 1. 10, 8, 7, 5, 3, 2, 1
- 0 2. 10, 8, 7, 1, 2, 3, 5

,	, , , , , , , , , , , , , , , , , , , ,	
3. 10, 8, 7, 3, 2, 1, 5		✓ Correc
4. 10, 8, 7, 2, 3, 1, 5		
Correct		
The correct answer is: 10, 8, 7, 3, 2, 1, 5		
Question 9		
forrect		
Mark 1.00 out of 1.00		
Consider a binary max-heap tree implemented using	an array. Which one of the following array represents a binary ma	ax-heap tree?
Select one:		
1. 34,12,16,13,10,9,14		
2. 34,14,16,13,10,9,12		✓ Correc
3. 34,14,12,13,10,8,16		
4. 34,12,16,13,10,9,14		
4. 34,12,16,13,10,9,14		
4. 34,12,16,13,10,9,14Correct		
Correct The correct answer is: 34,14,16,13,10,9,12		
Correct The correct answer is: 34,14,16,13,10,9,12 Question 10 orrect		
Correct		
Correct The correct answer is: 34,14,16,13,10,9,12 uestion 10 orrect lark 1.00 out of 1.00	ents are inserted and then 5 elements are deleted. Now can I inse	rt 5 new
Correct The correct answer is: 34,14,16,13,10,9,12 uestion 10 orrect lark 1.00 out of 1.00 Consider a simple Queue with a size of 20. If 20 elemelements in queue?	ents are inserted and then 5 e l ements are deleted. Now can I inse	rt 5 new
Correct The correct answer is: 34,14,16,13,10,9,12 Tuestion 10 Tuest	ents are inserted and then 5 elements are deleted. Now can I inse	rt 5 new
Correct The correct answer is: 34,14,16,13,10,9,12 Question 10 orrect Mark 1.00 out of 1.00 Consider a simple Queue with a size of 20. If 20 elemelements in queue? Select one:	ents are inserted and then 5 elements are deleted. Now can I inse	ert 5 new ✓ Correc
Correct The correct answer is: 34,14,16,13,10,9,12 Question 10 Orrect Mark 1.00 out of 1.00 Consider a simple Queue with a size of 20. If 20 elemelements in queue? Select one: 1. Yes	ents are inserted and then 5 elements are deleted. Now can I inse	

Question 11	
Correct	
Mark 1.00 out of 1.00	
Heap is always a	
Select one:	
1. Binary search tree	
2. Full binary tree	
3. Complete binary tree	✓ Correct
4. None of these	
Correct	
The correct answer is: Complete binary tree	
Question 12	
Correct	
Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00 How are the elements with the same priority get processed according to the Priority Queue mechanism?	
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one:	
How are the elements with the same priority get processed according to the Priority Queue mechanism?	
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one:	
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one: 1. After the processing of other elements with highest priority	
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one: 1. After the processing of other elements with highest priority 2. Before the processing of other elements with lower priority	✓ Correct
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one: 1. After the processing of other elements with highest priority 2. Before the processing of other elements with lower priority 3. None of the these	✓ Correct
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one: 1. After the processing of other elements with highest priority 2. Before the processing of other elements with lower priority 3. None of the these 4. On the basis of 'First-Come-First Served'	✓ Correct
How are the elements with the same priority get processed according to the Priority Queue mechanism? Select one: 1. After the processing of other elements with highest priority 2. Before the processing of other elements with lower priority 3. None of the these	✓ Correct

Mark 1.00 out of 1.00	
How many stacks are needed to implement a queue? Consider the situation who available to you.	ere no other data structure like arrays, linked list is
Select one:	
0 1.1	
2. 2	✓ Correct
○ 3.3	
O 4. 4	
Correct	
The correct answer is: 2	
Question 14	
Correct	
Mark 2.00 out of 2.00	
	h of the following sequence of operations either
If 1 is insert and 0 is delete operation in circular queue of SIZE 5, identify in which overflow or underflow occurs. i. 1101111100000 ii. 1010111110000 iv. 1110001100100	in of the following sequence of operations ethici
overflow or underflow occurs. i. 11011111100000 ii. 101010101111 iii. 101011110000	in of the following sequence of operations entire:
overflow or underflow occurs. i. 1101111100000 ii. 101010101111 iii. 101011110000 iv. 1110001100100	✓ Correct
overflow or underflow occurs. i. 1101111100000 ii. 101010101111 iii. 101011110000 iv. 1110001100100 Select one:	
overflow or underflow occurs. i. 11011111100000 ii. 101010101111 iii. 101011110000 iv. 1110001100100 Select one: 1. i, iv	
overflow or underflow occurs. i. 1101111100000 ii. 101010101111 iii. 101011110000 iv. 1110001100100 Select one: 1. i, iv 2. i, iii	
overflow or underflow occurs. i. 1101111100000 ii. 101010101111 iii. 101011110000 iv. 1110001100100 Select one: 1. i, iv 2. i, iii 3. iii, iv	



In a circular queue implementation, few element are already inserted and deleted. Now I am inserting the new element, so the appropriate updation in rear variable should be done. Which among the following is a correct way to do it? ['size' is the total size of queue]

Select one:

1. rear = (rear+1)%size

Correct

- 2. rear = rear%size
- \bigcirc 3. rear = rear%(size+1)
- 4. rear = front+1%size

Correct

The correct answer is: rear = (rear + 1)%size

Question 16

Correct

Mark 1.00 out of 1.00

In a double ended queue, while trying to insert the elements from the front. What set of condition should be taken? Assume starting index as 0 and 'size' is the total size of queue.

Select one:

1. if (front = 0) then (front = size-1) else (front = front-1)

Correct

- 2. if (front = 0) then (front = front+1) else (rear = front-1)
- 3. if (front = n) then (front = size-1) else (front = front-1)
- 4. if (front = n) then (front = rear+1) else (front = front-1)

Correct

The correct answer is: if (front = 0) then (front = size-1) else (front = front-1)

Question **17**Correct

Mark 1.00 out of 1.00

In a Priority Queue, the following is the order of current elements in order [Data:Priority] - [A:1],[B:1],[C:1],[D:2],[E:2],[F:3]. I insert one more element in the queue, X with a priority 1. Now I want to entirely empty the queue. Which among the following is the order of data removal?

Select one:

1. A B C D E X F

2. X A B C D E F	
3. A B C X D E F	✓ Corre
○ 4. A B C D E F X	
Correct	
The correct answer is: A B C X D E F	
Question 18	
Correct	
Mark 1.00 out of 1.00	
In simple queue implementation, initially queue is f after last deletion operation? Assume starting inde	full and then all elements are deleted. What would be the value of Front and Rea ex as '0'. [Size is the total size of queue]
Select one:	
1. Front = Rear	
2. Front = Rear = -1	✓ Corre
○ 3. Front = -1, Rear = Size	
3. Front = -1, Rear = Size4. Front = Size, Rear = -1	
○ 4. Front = Size, Rear = -1	
○ 4. Front = Size, Rear = -1 Correct	
○ 4. Front = Size, Rear = -1	
 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 	
 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 	
 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct 	
 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct 	
O 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00	heap tree in the given order 3, 2, 1, 4, 5, 8, 7 How many swaps are required?
O 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00	heap tree in the given order 3, 2, 1, 4, 5, 8, 7 How many swaps are required?
O 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00 Insert the following nodes in an empty Binary Max-	heap tree in the given order 3, 2, 1, 4, 5, 8, 7 How many swaps are required?
O 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00 Insert the following nodes in an empty Binary Max-Select one:	heap tree in the given order 3, 2, 1, 4, 5, 8, 7 How many swaps are required?
O 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00 Insert the following nodes in an empty Binary Max-Select one: 1.8	
 ○ 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00 Insert the following nodes in an empty Binary Max-Select one: ○ 1. 8 ○ 2. 7 ○ 3. 4 	
O 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00 Insert the following nodes in an empty Binary Max-Select one: 1.8 2.7	
 ○ 4. Front = Size, Rear = -1 Correct The correct answer is: Front = Rear = -1 Question 19 Correct Mark 1.00 out of 1.00 Insert the following nodes in an empty Binary Max-Select one: ○ 1. 8 ○ 2. 7 ○ 3. 4 	

Question 20	
Correct	
Mark 1.00 out of 1.00	
	eue in this order. Then three elements are removed from the queue and ed from the stack and added to the queue. Finally one element is removed
Select one:	
○ 1. X	
○ 2. Z	
	✓ Correct
○ 4. W	
Correct	
The correct answer is: Y	
Question 21 Correct Mark 1.00 out of 1.00	
Suggest an appropriate data structure for the following of monitor screen". Select one: 1. Queue	cases-"When a key of keyboard is pressed, the character is printed on the
2. Stack	
3. Priority queue	
4. Linked list	
Correct	

orrect lank 2.00 out of 2.00 Suppose each of push and pop operations on stack takes 1 unit of time and insert and delete operations on queue take 2 units of time each. Assuming n elements are in a stack, find the minimum time to reverse the elements in a stack using queue. Select one: 1. 8n units 2. 4n units 3. 6n units 4. 9n units Correct The correct answer is: 6n units Uestion 23 orrect lank 1.00 out of 1.00 Suppose we have a circular queue DATA with 17 items in the queue stored at DATA[3] through DATA[19]. The capacity of queue is Where does the insert method place the new entry in the queue? Assume array indexing starts from 0(zero). Select one: 1. DATA[16] 2. DATA[1] 3. DATA[0]		
Suppose each of push and pop operations on stack takes 1 unit of time and insert and delete operations on queue take 2 units of time each. Assuming n elements are in a stack, find the minimum time to reverse the elements in a stack using queue. Select one: 1. 8n units 2. 4n units 3. 6n units 4. 9n units Correct The correct answer is: 6n units Useston 23 Orrect Suppose we have a circular queue DATA with 17 items in the queue stored at DATA[3] through DATA[19]. The capacity of queue is Where does the insert method place the new entry in the queue? Assume array indexing starts from 0(zero). Select one: 1. DATA[16] 2. DATA[1]	orrect	
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3. DATA[0]	Where does the insert method place the new entry in the queue Select one:	
	Where does the insert method place the new entry in the queue Select one: 1. DATA[16]	
○ 4. DATA[15]	Where does the insert method place the new entry in the queue Select one: 1. DATA[16] 2. DATA[1]	
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The correct answer is: DATA[0]	Where does the insert method place the new entry in the queue Select one: 1. DATA[16] 2. DATA[1] 3. DATA[0]	? Assume array indexing starts from 0(zero).
the contest anomal is. Drivingol	Where does the insert method place the new entry in the queue Select one: 1. DATA[16] 2. DATA[1] 3. DATA[0] 4. DATA[15]	? Assume array indexing starts from 0(zero).

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Question 24
Correct
Mark 1.00 out of 1.00
The initial configuration of circular queue is as follows: X Y Z what is the status of queue content after the following sequence of

steps are performed on the circular queue: enqueue P, dequeue, enqueue Q, dequeue, enqueue R, dequeue

Select one:

- 1. PQR__
- 2. _PQR_
- 3. P_RQZ

○ 4PQ_R	
The correct answer is: _PQR_	
Question 25	
Correct	
Mark 1.00 out of 1.00	
What will be the position of 15, when a max heap is constructed on the input elements 15, 80, 5	55, 17, 22, 25, 23, 75, 40, 35?
Select one:	
1. 15 will be at last level	✓ Correct
2. 15 can be anywhere in heap	
3. 15 will be at second level	
 4. 15 will be at root Correct The correct answer is: 15 will be at last level 	
Correct The correct answer is: 15 will be at last level	
Correct The correct answer is: 15 will be at last level Question 26	
Correct The correct answer is: 15 will be at last level	
Correct The correct answer is: 15 will be at last level Question 26 Correct	er of elements in it is less than its size?
Correct The correct answer is: 15 will be at last level Question 26 Correct Mark 1.00 out of 1.00	er of elements in it is less than its size?
Correct The correct answer is: 15 will be at last level Question 26 Correct Mark 1.00 out of 1.00 Which of the following data structure may give overflow error, even though the current numbe	er of elements in it is less than its size?
Correct The correct answer is: 15 will be at last level Question 26 Correct Mark 1.00 out of 1.00 Which of the following data structure may give overflow error, even though the current numbe Select one:	er of elements in it is less than its size?
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Statik Quede (New). Attempt Teview	
Question 27	
Correct	
Mark 1.00 out of 1.00	
Which operation is not supported in O(1) time by a double-ended queue (deque)?	
Select one:	
1. Deletion of the front or rear item	
2. Insertion at the front or rear	
3. Access and deletion of the minimum item	✓ Correct
 4. Access the front or rear item 	
Correct	
The correct answer is: Access and deletion of the minimum item	
≺ Stack (New)	
Jump to	
	Trees (New) ►