<u>Dashboard</u> / My courses / <u>CS102 2024 1</u> / <u>General</u> / <u>StackQuiz</u>

Completed on Friday, 2 Time taken 13 mins 2 Grade 17.00 ou Question 1 Correct Mark 1.00 out of 1.00 "Array implementation of Stace Select one: 1. All of these 2. a runtime exception ha 3. space allocation for array 4. user unable to give the Correct The correct answer is: space allocation of the correct answer is: space allocation for array Question 2 Correct Mark 1.00 out of 1.00 The number of moves require a. 7 b. 9 c. 17	O secs of 17.00 (100 %) sis not dynamic", which of the following statements execution sy is fixed and cannot be changed during run-time	me Correct
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a. 7b. 9c. 17		
d. 15e. None of these Your answer is correct. The correct answer is:	I to solve the tower of Hanoi with number of disks	sks n = 4 is
15		

Question 3 Correct	
Mark 1.00 out of 1.00	
Disks piled up one above the other represents a	
⊚ a. <u>Stack</u>	~
○ b. Queue	
○ c. All of these	
O d. Linked List	
○ e. <u>Array</u>	
Your answer is correct.	
The correct answer is: <u>Stack</u>	
Question 4	
Correct Mark 1.00 out of 1.00	
The function that returns the top element of a <u>stack</u> is:	
O a. Push()	
O b. Pop()	
○ c. None of these.	
O d. Empty()	
e. Peek()	~
Your answer is correct.	
The correct answer is:	
Peek()	

Question 5	
Correct Mark 100 out of 100	
Mark 1.00 out of 1.00	
For implementing recursive function the data structure used is	
a. <u>Stack</u>	~
O b. Queue	

○ c. <u>Array</u>
O d. <u>Tree</u>
O e. Linked List
Your answer is correct.
The correct answer is: Stack
Question 6
Correct
Mark 1.00 out of 1.00
Which of the following real world scenarios would you associate with a "stack" data structure?
Which of the following real world scenarios would you associate with a <u>stack</u> data structure:
a. Registering for a cultural event which selects on a first come first serve basis
b. Students standing in a line at the fee counter
c. Piling up of chairs one above the other in a canteen
d. Offering viva slots based on the priority of the group number
e. None of these
Your answer is correct.
The correct answer is:
Piling up of chairs one above the other in a canteen
Question 7
Correct
Mark 1.00 out of 1.00
Which of the following data structures can be used for parentheses matching?
a. Linked List
○ c. Queue
O d. binary tree
e. All of these
Your answer is correct.
The correct answer is:
Stack Stack

Question 8 Correct
Mark 1.00 out of 1.00
Which of the following data structures can be used for implementing a function that converts an integer (in decimal) to binary string?
○ a. <u>Array</u>
○ b. Queue
◎ c. <u>Stack</u>
O d. Linked List
e. binary <u>tree</u>
Your answer is correct.
The correct answer is:
<u>Stack</u>
Question 9
Correct
Mark 1.00 out of 1.00
Which of the following statement(s) is NOT correct?
which of the following statement(s) is not correct:
a. Top of the <u>Stack</u> always contain the new element
 b. All of these are correct
oc. The value at the bottom of the <u>stack</u> is always null
◎ d. <u>Stack</u> is a FIFO data structure
e. <u>Stack</u> can be implemented using linked list
Your answer is correct.
The correct answer is:
Stack is a FIFO data structure

Question 10	
Correct	
Mark 1.00 out of 1.00	
Stack is based on concept. (select all the correct ones)	
a. LIFO	~
□ b. LILO	
□ c. FIFO	
d. FILO	~
Your answer is correct.	
The correct answers are:	
LIFO,	
FILO	
Question 11	
Correct	
Mark 1.00 out of 1.00	
MICH of the City to the configuration of the In-	
Which of the following is not the application of <u>stack</u> ?	
a. Integer to binary conversion	
b. Asynchronous Data transfer	~
o c. Reversing the string	
O d. None of these	
e. Evaluating postfix expression	
Your answer is correct.	
The correct answer is:	
Asynchronous Data transfer	

Question 12
Correct Mark 1.00 out of 1.00
Suppose <u>stack</u> contains elements in order 2, 5, 6, 7, 0, 1. How many pop operations should be executed to remove element '6' from the <u>stack</u> ?
○ a. 5
O b. 3
○ c. 0
◎ d.4
○ e. 1
Your answer is correct.
The correct answer is:
4
Question 13
Correct Mark 1.00 out of 1.00
Which of the following data structure is used to check parenthesis in any expression?
a. Linked List
○ c. Arrays
O d. Priority Queue
○ e. Queue
Your answer is correct.
The correct answer is: Stack

Question 14
Correct
Mark 1.00 out of 1.00
Which of the following data structure is used in an "Undo" mechanism of any text editor?
○ a. None of these
O b. <u>Stack</u> and Queue both
○ c. Queue
⊚ d. <u>Stack</u>
Your answer is correct.
The correct answer is:
<u>Stack</u>
Question 15
Correct
Mark 1.00 out of 1.00
Consider that the stack is already having one element inserted, now I want to insert a few more elements in it. top points to the
topmost element in the <u>stack</u> , newnode refers to the element you want to insert and link refers to the previously inserted element in
the <u>stack</u> . The value inserted by the user should be taken as the data for a newnode Which snippet can help you to insert elements at top?
Select one:
1. newnode->data = value; newnode->link = top;

Correct

The correct answers are: newnode->data = value; newnode->link = top; top = newnode;, newnode->data = value; newnode->link = top; top = newnode;

Incorrect

2. newnode->data = value; newnode->link = top; top = newnode;

○ 3. newnode->data = value; newnode->link = top; top = newnode;

4. newnode->data = value; top->link = newnode;

Question 16	
Correct	
Mark 2.00 out of 2.00	
Given the following sequence of letters and asterisks: BAL*A*GUR***US***AM*Y*** (a) Consider the <u>stack</u> data struct two operations push and pop. Suppose that for the above sequence, each letter (such as B) corresponds to a push of the <u>stack</u> and each asterisk (*) corresponds a pop operation on the <u>stack</u> . Show the sequence of values returned by the operations of the queue data structure, supporting two operations insert and delete. Suppose that for the each letter (such as B) corresponds to an insert of that letter into the queue and each asterisk (*) corresponds a delete the queue. Show the sequence of values returned by the delete operations.	f that letter onto the pop above sequence,
Select one:	
1. None	
2. SAMYBALAGURU & GURUSAMYBALA	
3. YMASURUGALAB & BALAGURUSAMY 4. BALAGURUSAMY & YMASURUGALAB	•
4. BALAGURUSAMY & YMASURUGALAB	
The correct answer is: YMASURUGALAB & BALAGURUSAMY	
Question 17 Complete	
Not graded	
Which among the given below is not an application of <u>stack</u> ?	
Select one:	
1. undo redo operation	
O 2. Recursion	
○ 3. Back-tracking	
4. Job Scheduling	Correct
Correct	
The correct answer is: Job Scheduling	
✓ LinkedlistQuiz	
Jump to	
	BST►