	on Sunday, 2 April 2023, 7:22 PM
	ate Finished
	on Sunday, 2 April 2023, 7:27 PM en 5 mins 25 secs
TITTO COR	511 5 THIN 5 25 3003
estion	
mplete	
arked out of 1.00	
Which of the f	ollowing is not a data structure
a. Variak	ole
ob. Record	t e
O c. Diction	nary
od. Array	
uestion <b>2</b>	
mplete	
arked out of 1.00	
a. Both c	tements are correct
	on array with numbers can be divided by a certain number while doing same on python list will in Type error.
od. Both c	an be indexed and iterated through

Question 3	
Complete	
Marked out of 1.00	
In linked list imple worst case linear	ementation of queue, if only front pointer is maintained, which of the following operation take time?
a. To empty	a queue
ob. Both Inse	rtion and To empty a queue
o. Insertion	
Od. Deletion	
Question <b>4</b>	
Complete	
Marked out of 1.00	
Choose the key a	dvantage of a circular queue:
a. Effective u	usage of memory
<ul><li>b. None of th</li></ul>	ne mentioned
o. Effective u	usage of processor
od. Fast acce	ss
Question <b>5</b>	
Complete	
Marked out of 1.00	
Consider a double them.	y linked list. A B C D are some arbitrary nodes in this linked list. Below are 3 true statements about
A.next.next.nex	at is B
• C.prev is D	
A.next.next is C	
According to the	above statements, what is equivalent to <b>D.next.next.prev</b> ?
Select one:	
a. C.prev	
b. B.prev	
○ c. B	
d. A.next	

Question (	ô .
Complete	
Marked ou	ut of 1.00
Which	of the following statement(s) is/are correct regarding dictionary data structure.
☑ a.	A dictionary has a set of <i>keys</i> and each key has a single associated <i>value and w</i> hen presented with a key, the dictionary will return the associated value.
	In a dictionary, if the value of a key is null, then search operation on that dictionary will return that key as non-existent.
	Dictionaries typically support operations such as testing for existence of a key, inserting elements and deleting elements.
✓ d.	Dictionaries are often implemented as hash tables.
Question	7
Complete	
Marked ou	ut of 1.00
<ul><li>a.</li><li>b.</li><li>c.</li><li>d.</li></ul>	2n
Question <b>{</b> Complete	
Marked ou	ut of 1.00
Which	of the following statements are correct regarding implementing data structures
☑ a.	A stack can be implemented using a singly linked list with the operations PUSH and POP still taking O(1) time
<ul><li>□ b.</li></ul>	A stack can be implemented using two queues.
	A queue can be implemented using a singly linked list with the operations ENQUEUE and DEQUEUE still taking O(1) time
☐ d.	A queue can be implemented using two stacks.
	Previous activity
	■ Basic Data Structures - Take Home Assignment
lumn to	
Jump to	J

## Next activity

In-class lab exercise (In21-S2-CS2023) ▶

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□ Data retention summary

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