Dheeraj Kumar (10872070846146431930 1_21511016_1)

Assessment Date : 08-12-2024 11:36:51 (GMT+05:30)

Performance Level : **Moderate**

8.00	10.00	5.00
Your Total Score	Assessment Score	Cut-Off marks (Pass Marks)

80.00	M
Your Percentage	Performance Category

This report helps you to achieve your targets as per below stated objectives:

Improve your conceptual understanding
Address specific areas of improvement personalized to you

Performance Categories

Based on the performance of the students, we have framed the following categories to place you in accordance with your performance

Performance Category Definitions

Excellent

Outstanding level of performance indicates that the candidate has done excellent work and mastered the concepts.

High

High level of performance indicates that the candidate has done above average work and mastered almost all the concepts.

Moderate

Acceptable level of performance indicates that the candidate has done average work and has mastered many of the concepts.

Low

Needs improvement in performance indicates that the candidate has done and mastered very few or none of the concepts.

Performance Criteria

PERFORMANCE CATEGORY	RANGE
Excellent	91% to 100% of Max Marks
High	81% to 90% of Max Marks
Moderate	61% to 80% of Max Marks
Low	Below 60% of Max Marks

Performance Category based on student marks

SECTION (GROUP)	EXCELLENT	HIGH	MODERATE	LOW
DSA Linked list Part 1 Assessment (DSA)	9.10 and above	8.10 to 9.00	6.10 to 8.00	Below 6.00

SECTION (GROUP)	EXCELLENT	HIGH	MODERATE	LOW
Overall Score	**9.10 and above**	**8.10 to 9.00**	**6.10 to 8.00**	**Below and equal to 6.00**

Where do you stand?

SECTION (GROUP)	SCORE	PERFORMANCE CATEGORY
DSA Linked list Part 1 Assessment (DSA)	8.00 / 10.00	M
Overall Score	**8.00 / 10.00**	**M**

Recommendations and Suggestions

1. Based on your overall scores:
   Your overall score falls in the **M** category. Please avoid misconceptions and try to increase the speed of solving.
2. Based on your section-wise performance:
   You seem to be strong in **DSA Linked list Part 1 Assessment**. So it is suggested that you attempt **DSA Linked list Part 1 Assessment** section first
3. Some general suggestions to optimize your score:
   The best performers plan and allocate equal time to each section.

Overall Performance Analysis

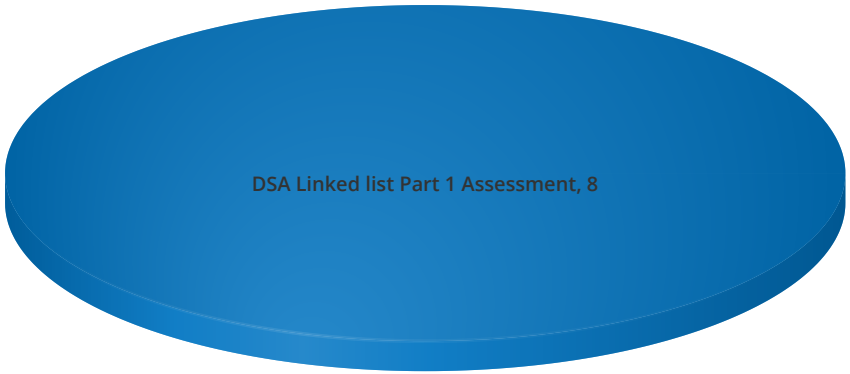
The below table shows section-wise analysis of marks scored by you, time spent by you, your percentage, your accuracy and number of correct, incorrect, unanswered and marked for review questions.

SECTION (GROUP)	MARKS SCORED BY YOU	TIME SPENT BY YOU (IN MINS)	YOUR SECTION PERCENTAGE	YOUR SECTION ACCURACY	TOTAL QUESTIONS	MAX NO OF QUESTIONS - TO ATTEMPT	QUESTIONS ATTEMPTED	CORRECT	INCORRECT	UNANSWERED	MARKED FOR REVIEW
DSA Linked list Part 1 Assessment (DSA)	8.00	15:43	80.00%	80.00%	10	10	10	8	2	0	0
Total	**8.00**	**15:43**	**80.00%**	**80.00%**	**10**	**10**	**10**	**8**	**2**	**0**	**0**

Note: ***The percentage (%) and accuracy below the prescribed values (60 %) are shown in red color***

Below pie-chart shows section-wise percentage of marks scored

Section-wise marks



Impact of Incorrect Responses

Below table provides the marks lost due to incorrect responses.

SECTION(GROUP)	NUMBER OF INCORRECT RESPONSES	MARKS LOST DUE TO INCORRECT RESPONSES	TOTAL SCORE IF INCORRECT RESPONSES WERE NOT MARKED
DSA Linked list Part 1 Assessment(grp1)	2	0	8

SECTION(GROUP)	NUMBER OF INCORRECT RESPONSES	MARKS LOST DUE TO INCORRECT RESPONSES	TOTAL SCORE IF INCORRECT RESPONSES WERE NOT MARKED
Overall	**2**	**0**	**8.00**

In order to attempt more accurately, consider the following suggestions while attempting the questions:

1. If you are not able to solve a question correctly or have doubts in your approach towards the solution, skip it for later.
2. Quickly revise the steps for avoiding calculation or casual mistakes.
3. Avoid guesswork.

Overall Preparedness Analysis

The below table represents the percentage of correct questions achieved at the analysis level.

Conceptual errors, for which you would require more reading and understanding of concepts.

Minor or careless mistakes, for which you would require a more composed and calm approach towards solving the question paper.

The topics marked in red need your immediate attention.

Time Management

Below table shows the time you spent in each section.

SECTION (GROUP)	TIME SPENT BY YOU (IN MINS)
DSA Linked list Part 1 Assessment (DSA)	15:43
Total time spent	**15:43**

Recommendations

1. It is essential for each aspirant to plan and schedule time for each section diligently. This is important to score well in each section and ultimately meet the cut-off.
2. This will also help you in attempting all the questions in each section and hence not missing the opportunity to score more.

Response Change Pattern

Below table provides the number of times you have changed your responses while answering the test and also the nature of those response changes.

SECTION(GROUP)	CORRECT TO INCORRECT	INCORRECT TO CORRECT	INCORRECT TO INCORRECT	CORRECT TO UNANSWERED	INCORRECT TO UNANSWERED	UNANSWERD TO CORRECT	UNANSWERD TO INCORRECT
DSA Linked list Part 1 Assessment (DSA)	0	0	0	0	0	8	2
Overall	**0**	**0**	**0**	**0**	**0**	**8**	**2**

It is suggested that guesswork should be avoided for any type of response changes. It has been observed that more often than not, guesswork leads to an incorrect response thereby inviting negative marks which in turn has an adverse effect on the overall rank.
You must use your knowledge, observation and elimination skills to arrive at the correct answer.

Interpretation and Suggestions

1. Incorrect to incorrect response change:
    You may need to work more on the concept level, in order to gain confidence.
2. Incorrect to correct response change:
    At the first glance you were not very sure about the solution.
    You must spend at least 1 minute per question and if you are not able to reach to the solution, you must revisit the question to enhance your score.
    Perform this response change only when you are confident or have spotted a mistake in the solution of your first response.
3. Correct to incorrect response change:
    You are not sure of the solution and have either applied a wrong concept or made a calculation mistake.
    You need to practice more questions on the same concept.
4. Correct to unanswered response change:
    You are not sure of the solution
    You need to practice more questions on the same concept.
    Perform this response change only when you are not confident of your solution.
    You must try to spend at least 1 min before leaving it unanswered.
5. Incorrect to unanswered response change:
    Your judgment of avoiding negative marks is right.
    You must try to spend at least 1 min before leaving it unanswered.

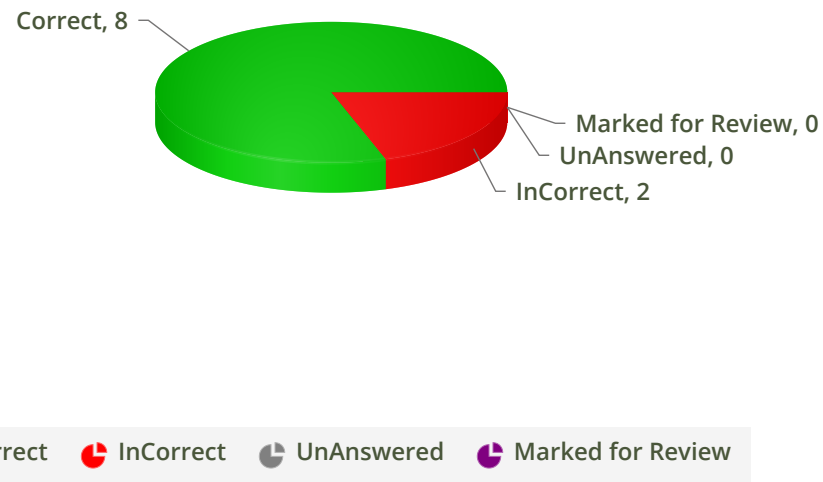
Overview: DSA Linked list Part 1 Assessment

The below table provides your marks in DSA Linked list Part 1 Assessment along with the average marks scored by the others (students who cleared this assessment) and the marks scored by the topper.

MARKS SCORED BY YOU	YOUR SECTION PERCENTAGE	YOUR SECTION ACCURACY	TIME SPENT BY YOU (IN MINS)
8.00 / 10.00	80.00%	80.00%	15:43

Note: *The percentage (%) and accuracy below the prescribed values (60%) are shown in red color*

Question wise Analysis



Performance Analysis: DSA Linked list Part 1 Assessment

1. The below table analyzes your performance at question level
2. It highlights conceptually strong and improvement areas within the section and areas that require reinforcement of concepts.
3. The accuracy of the response to each question and time spent are correlated and interpreted in terms of expert advice on preparedness level.

Question wise details

Please click on question to view detailed analysis

= Not Evaluated	= Evaluated	= Correct	= Incorrect	= Not Attempted
= Marked for Review	= Answered	= Correct Option	= Your Option	

Question Details

Q1. A linear collection of data elements where the linear node is given by means of pointer is called?

Status : **Correct**

Options :

1. Linked list
2. Node list
3. Primitive list
4. None of these

Timespent (in sec): **94** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q2. In a circular linked list

Status : **Correct**

Options :

1. Components are all linked together in some sequential manner.
2. ✓ There is no beginning and no end.
3. Components are arranged hierarchically.
4. Forward and backward traversal within the list is permitted.

Timespent (in sec): **138** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q3. In linked list each node contain minimum of two fields. One field is data field to store the data second field is?

Status : **Correct**

Options :

1. Pointer to character
2. Pointer to integer
3. ✓ Pointer to node
4. Node

Timespent (in sec): **108** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q4. Which of the following operations is performed more efficiently by doubly linked list than by singly linked list?

Status : **Correct**

Options :

1. Searching of an unsorted list for a given item
2. Inverting a node after the node with given location
3. ✓ Deleting a node whose location in given
4. Traversing a list to process each node

Timespent (in sec): **133** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q5. Consider an implementation of unsorted singly linked list. Suppose it has its representation with a head and tail pointer. Given the representation, which of the following operation can be implemented in O(1) time?

i) Insertion at the front of the linked list
ii) Insertion at the end of the linked list
iii) Deletion of the front node of the linked list
iv) Deletion of the last node of the linked list

Status : **Incorrect**

Options :

1. I and II
2. ✓ I and III
3. I,II and III
4. I,II and IV

Timespent (in sec): **58** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **0** | Unanswered to Incorrect: **1** | Comments: **You have most probably committed a numerical or conceptual mistake or you would have guessed the answer.**

Q6. The concatenation of two list can performed in O(1) time. Which of the following variation of linked list can be used?

Status : **Correct**

Options :

1. Singly linked list
2. Doubly linked list
3. Array implementation of list
4. ✔ Circular doubly linked list

Timespent (in sec): **110** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q7. What would be the asymptotic time complexity to add an element in the linked list?

Status : **Incorrect**

Options :

1. O(1)
2. ✔ O(n)
3. O(n^2)
4. None of these

Timespent (in sec): **80** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **0** | Unanswered to Incorrect: **1** |
Comments: **You have most probably committed a numerical or conceptual mistake or you would have guessed the answer.**

Q8. In doubly linked lists, traversal can be performed?

Status : **Correct**

Options :

1. Only in forward direction
2. Only in reverse direction
3. ✔ In both directions
4. None of these

Timespent (in sec): **73** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q9. In circular linked list, insertion of node requires modification of?

Status : **Correct**

Options :

1. One pointer
2. ✔ Two pointer
3. Three pointer
4. None of these

Timespent (in sec): **59** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Q10. Consider the following definition in c programming language

```
struct node
{
int data;
struct node * next;
}
typedef struct node NODE;
NODE *ptr;
```

Which of the following c code is used to create new node?

Status : **Correct**

Options :

1. ptr=(NODE*)malloc(sizeof(NODE));
2. ptr=(NODE*)malloc(NODE);
3. ptr=(NODE*)malloc(sizeof(NODE*));
4. ptr=(NODE)malloc(sizeof(NODE));

Timespent (in sec): **90** | Correct to Incorrect: **0** | Incorrect to Correct: **0** | Incorrect to Incorrect: **0** | Correct to unanswered: **0** | Incorrect to unanswered: **0** | Unanswered to Correct: **1** | Unanswered to Incorrect: **0** | Comments: **You are on the right preparation track on this topic.**

Your Response Change Pattern: DSA Linked list Part 1 Assessment

The below table provides the number of times you have changed your responses to the DSA Linked list Part 1 Assessment questions and also the nature of those response changes.

CORRECT TO INCORRECT	INCORRECT TO CORRECT	INCORRECT TO INCORRECT	CORRECT TO UNANSWERED	INCORRECT TO UNANSWERED	UNANSWERD TO CORRECT	UNANSWERD TO INCORRECT
0	0	0	0	0	8	2

Error Identification and Rectification: DSA Linked list Part 1 Assessment

Q5. NA

Q7. NA