

Dheeraj Kumar

(108720708461464319301_21511016_1)

Assessment Date : 06-01-2025 08:37:32 (GMT+05:30)

Performance Level : Moderate 

8.00

Your Total
Score

10.00

Assessment
Score

5.00

Cut-Off marks
(Pass Marks)

80.00

Your
Percentage

M

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 2 & Hash table 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 2 & Hash table Assessment (DSA)	8.00 / 10.00	M
Overall Score	8.00 / 10.00	M

Recommendations and Suggestions

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

Overall Performance Analysis

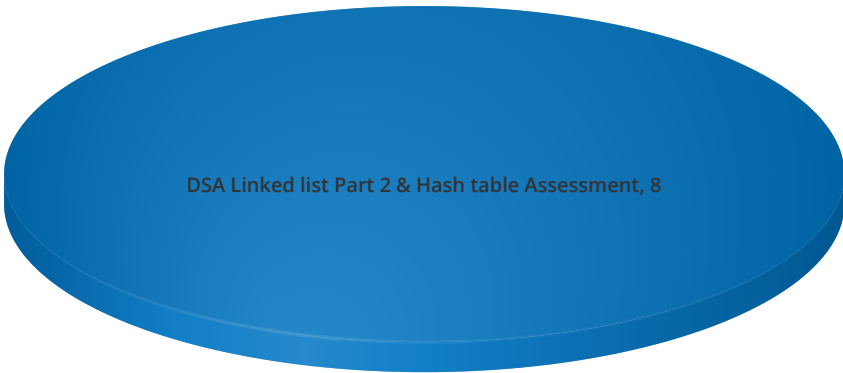
The below table shows section-wise analysis of marks scored by you, time spent by you, your percentage, your accuracy and number of correct, incorrect, unanswered and marked for review questions.


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 2 & Hash table Assessment (DSA)	8.00	19:20	80.00%	80.00%	10	10	10	8	2	0	0
Total	8.00	19:20	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



 DSA Linked list Part 2 & Hash table Assessment

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 2 & Hash table 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 2 & Hash table Assessment (DSA)	19:20
Total time spent	19:20

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 2 & Hash table 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.

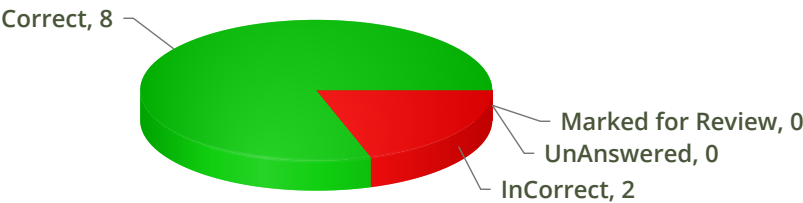
Overview: DSA Linked list Part 2 & Hash table Assessment

The below table provides your marks in DSA Linked list Part 2 & Hash table 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%	19:20

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

Question wise Analysis



Performance Analysis: DSA Linked list Part 2 & Hash table 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. In the worst case, the number of comparisons needed to search a singly linked list of length n for a given element is?

Status : **Correct** | Marks Obtained : 1 | Total Question Marks : 1

Options :

- 👉 ✔️ 1. n
2. $n/2$
3. $\log_2 n$
4. $\log_2 n - 1$

Timespent (in sec): **169** | 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. If several elements are competing for the same bucket in the hash table, what is it called?

Status : **Correct** | Marks Obtained : 1 | Total Question Marks : 1

Options :

- 1. Duplication
- 2. Replication
- ✓ 3. Collision
- 4. Diffusion

Timespent (in sec): 74 | 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. Which of the following statements are not correct with respect to Singly Linked List(SLL) and Doubly Linked List(DLL)?

Status : **Correct** | Marks Obtained : 1 | Total Question Marks : 1

Options :

- 1. DLL has more searching power than SLL
- 2. Complexity of Insertion and Deletion at known position is $O(n)$ in SLL and $O(1)$ in DLL
- 3. SLL uses lesser memory per node than DLL
- ✓ 4. Number of node fields in SLL is more than DLL

Timespent (in sec): 169 | 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. What is the output of following function for start pointing to first node of following linked list?

1->2->3->4->5->6

```
void fun(struct node* start)
{
    if(start == NULL)
        return;
    printf("%d ", start->data);
    if(start->next != NULL )
        fun(start->next->next);
    printf("%d ", start->data);
}
```

Status : **Incorrect** | Marks Obtained : 0 | Total Question Marks : 1

Options :

- ✓ 1. 1 3 5 5 3 1
- 2. 1 4 6 6 4 1
- 3. 1 3 5 1 3 5
- ✘ 4. 1 2 3 5

Timespent (in sec): 224 | 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.

✔ Q5. What is a hash function?

Status : **Correct** | Marks Obtained : 1 | Total Question Marks : 1

Options :

- ✘ ✓ 1. function that computes the location of the key in the array
- 2. function that creates an array
- 3. function that computes the location of the values in the array
- 4. function has allocated memory to keys

Timespent (in sec): 106 | 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.

✓ Q6. Which of the following application makes use of a circular linked list?

Status : **Correct** | Marks Obtained : **1** | Total Question Marks : **1**

Options :

- 1. Implement Hash Tables
- 2. Recursive function calls
- ✓ 3. Allocating CPU to resources
- 4. Undo operation in a text editor

Timespent (in sec): **97** | 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. Which of the following is not a technique to avoid a collision?

Status : **Correct** | Marks Obtained : **1** | Total Question Marks : **1**

Options :

- 1. Use the chaining method
- ✓ 2. Increasing hash table size
- 3. Make the hash function appear random
- 4. Use uniform hashing

Timespent (in sec): **83** | 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.**

✓ Q8. What is simple uniform hashing?

Status : **Correct** | Marks Obtained : 1 | Total Question Marks : 1

Options :

- 1. A weighted probabilistic method is used to hash elements into the slots
- 2. Elements has Random probability of hashing into array slots
- 3. Elements are hashed based on priority
- ✓ 4. Every element has equal probability of hashing into any of the slots

Timespent (in sec): 115 | 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. What is the load factor?

Status : **Correct** | Marks Obtained : 1 | Total Question Marks : 1

Options :

- ✓ 1. Average chain length
- 2. Average hash table length
- 3. Average key size
- 4. Average array size

Timespent (in sec): 54 | 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. You are given pointers to first and last nodes of a singly linked list, which of the following operations are dependent on the length of the linked list?

Status : **Incorrect** | Marks Obtained : **0** | Total Question Marks : **1**

Options :

- 1. Add a new element at the end of the list
- ✓ 2. Delete the last element of the list
- ✘ 3. Insert a new element as a first element
- 4. Delete the first element

Timespent (in sec): **69** | 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.**

Your Response Change Pattern: DSA Linked list Part 2 & Hash table Assessment

The below table provides the number of times you have changed your responses to the DSA Linked list Part 2 & Hash table 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 2 & Hash table Assessment

Q4. NA

Q10. NA