

# IT214 Database Management System\_Sept 2021

28 Sep 2021



Finish State: Auto Submit

Test Taken on: September 28, 2021 11:44:27 AM IST



Unique Id: 68396937

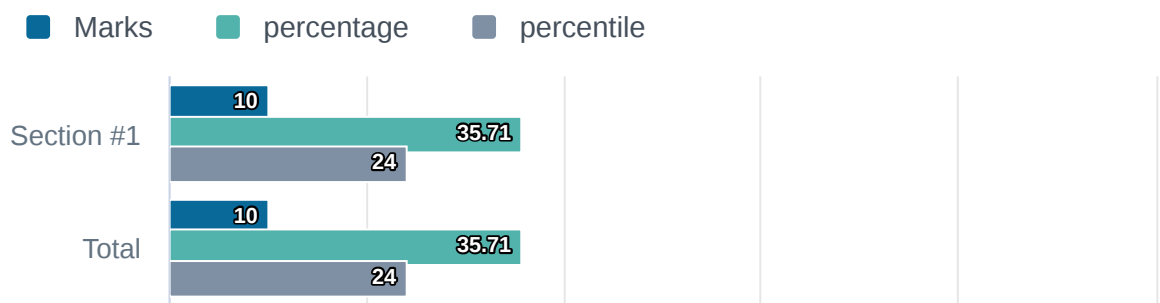
Overall Summary

10 Marks Scored  
out of 28

35.71 %  
23.8 percentile  
out of 374 Test  
Takers

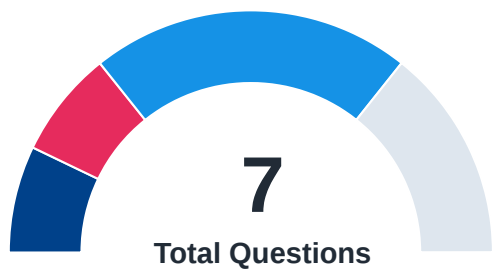
1h Time taken  
of 1hr

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 7 question(s).



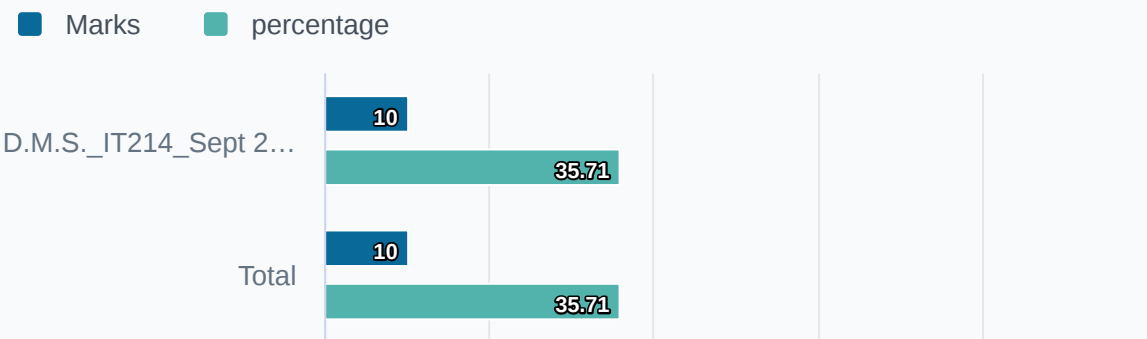
This shows the correctness of questions attempted  
by the test taker

Correct	1 Ques	4/4 Marks
Incorrect	1 Ques	0/4 Marks
Partially Correct	3 Ques	6/12 Marks
Not Attempted	2 Ques	0/8 Marks

Section-Wise Details

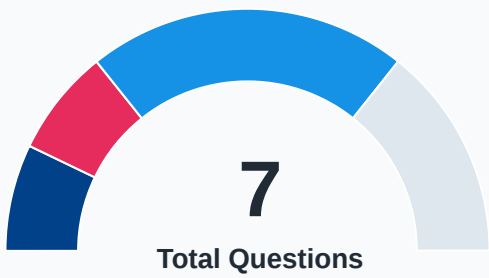
Section 1	question(s)	Time taken	Marks Scored
Section #1	7 Q.	1h (Untimed)	10 / 28

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 7 question(s).

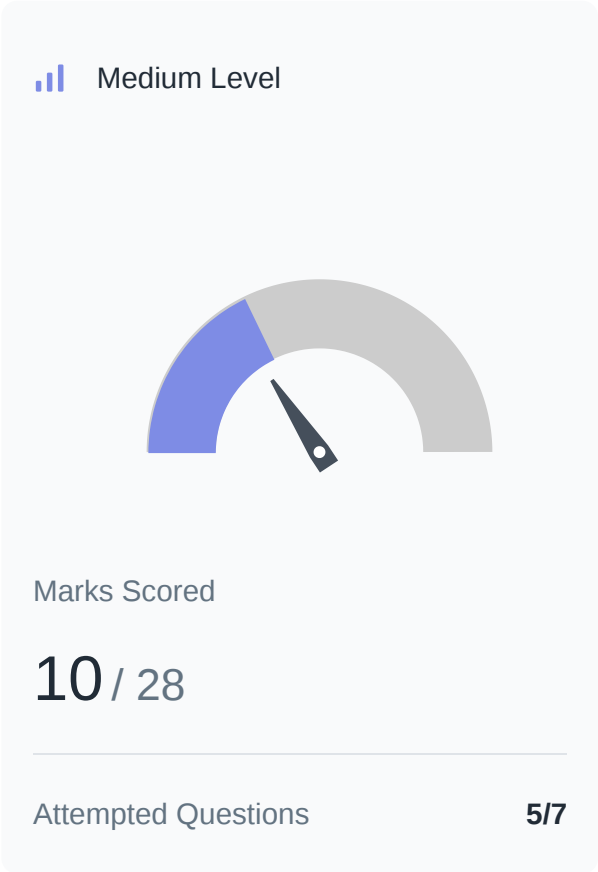


This shows the correctness of questions attempted by the test taker

Correct	1 Ques	4/4 Marks
Incorrect	1 Ques	0/4 Marks
Partially Correct	3 Ques	6/12 Marks
Not Attempted	2 Ques	0/8 Marks

Difficulty Level

▼ Test Level



▼ Skill Level

D.M.S.\_IT214\_Sept 2021

DIFFICULTY LEVEL ANALYSIS	TOTAL QUESTION(S)	ATTEMPTED QUESTIONS	MARKS SCORED
<div><div></div>Medium (M)</div>	7	5 / 7	10/ 28
Total	7	5 / 7	10/ 28

Question-Wise Details

Section 1 Section #1	7 question(s)	1h Time taken	10/28 Marks Scored
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Q.  
1

▼ Question 1

Not Attempted

Define and Explain the following in the context of the Hierarchy in the E-R Model of **Database of DA-IICT Resource Center**:

- a) Covering Constraint
- b) Overlapping Constraint

Response:

Words : 0

Q.  
2

▼ Question 2

Not Attempted

Identify all ‘*PERSON*’ type entities you expect to find in the following well known databases. List all the important attributes and constraints for each ‘Person’ type entity which is part of each of the following databases:

- 1. Course Feedback Database of DA-IICT
- 2. Election Database of India

Response:

Words : 0

Q.  
3

▼ Question 3

⌚ Time taken: 6m 3s

Marks Scored: 1/4

Consider a relation **Student** (StudentID, StudentName, age, CPI). Justify the following statement in the context of the view/s on **Student**:

It is possible to insert rows in relation **Student** through a view which contains a primary key but it is not possible to insert rows if the view doesn’t contain a primary key.

Response:

if a insert a row in view  
and it's not contain primary key then data will insert in table student and  
it's primary key bacame null value  
that violate primary key constaint.

but if we insert value in view  
which content primary key attribute  
then it can be accepted because  
other value can be set null automate.

Words : 64

Clearly distinguish DBMS versus File System Approach in the context of the **Database of DA-IICT Resource Center**.

Response:

in reference to the resource center we can distiguiniush as  
file system will help store all files in a storage on a computer dbms manage the whole invetory.  
dbms is more secure

Words : 32

Some database models do not have a way to enforce referential integrity constraints. Explain this statement referring to one such data model.

Response:

referencial integrity is a property of data stating that all its references are valid.  
in the context of relational databases,it require if a value of one attribute of a table references a value of another attribute (either in same or a different relation),then the reference value must exist.

table name artiest	
artiest_id	artist_name
1	bono
2	cherry
3	butter

tablename album		
artiest_id	album_id	album_name
3	1	schem
4	2	eat
3	3	curve

here is the foreign key artiest\_id .  
we can see there is foreign key value with no corresponding primary key value in reference table.  
(value 4 does not exist in artiest table)  
this is example of not enforce referential integeity.

Words : 114

Suppose relation **R (A, B)** has tuples { **(1,2), (1,2),(3,4)** } and relation **S (B, C)** has tuples { **(2,5), (2,5), (4,6), (7,10)** }.

Write down all tuples in the result of the SQL query:

```
SELECT *  
FROM R NATURAL OUTER JOIN S
```

Response:

A	B	C
1	2	5
1	2	5
1	2	5
1	2	5
3	4	6
<i>Null</i>	7	10

Words : 28



List and explain the options we have in SQL (applicable to the other entity set) when we delete tuples from the strong entity set in a relationship when the other entity set is a strong or weak entity set.

**Note:** (Explain using an example constructed by you. No credit will be given if you are using the example/s discussed in the class).

Response:

**Strong-Strong**

*we have two table,  
vehicles(vehicle\_id,company,shop\_name,price)  
shop\_list(shop\_name,shop\_address,budget)*

- if a particular shop\_list is deleted from shop\_list*
- *cascade(delete all vehicles tuples which refer to the deleted shop\_list tuple)*
  - *set default(sets foreign key shop\_name value of a vehicles tuple to default)*
  - *reject/no action (delete action on shop\_list tuple is rejected on shop\_list)*

**Weak-Strong**

*vehicles(vehicle\_id,company,shop\_name,price)  
model(sec\_id,year,version)*


- if a particular vehicles is deleted from vehicles*
- *cascade(delete all model tuples which refer to the deleted vehicles tuple)*
  - *Reject/No Action (delete action on vehicles tuple is rejected on vehicles)*

Words : 79


Test Log

28th Sep 2021


- 10:44 AM




Started the test with Section #1
- 10:44 AM




Candidate gave us right to the following feeds  
- camera  
- microphone
- 10:56 AM




Candidate Looking Away from Screen
- 10:57 AM




Candidate Looking Away from Screen
- 10:58 AM




Candidate Face Partially Visible
- 10:58 AM




Candidate Looking Away from Screen
- 10:59 AM




Candidate Face Partially Visible
- 11:10 AM




Candidate Face Partially Visible
- 11:12 AM




Candidate Face Partially Visible
- 11:13 AM




Candidate Looking Away from Screen
- 11:15 AM




Candidate Face Partially Visible
- 11:23 AM




Candidate Face Partially Visible
- 11:26 AM




Candidate Looking Away from Screen
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Candidate Looking Away from Screen
- 11:29 AM




Candidate Face Partially Visible
- 11:33 AM




Candidate Face Partially Visible
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Candidate Face not Visible
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- 11:35 AM




Candidate Face Partially Visible
- 11:42 AM




Candidate Looking Away from Screen
- 11:43 AM



Candidate Looking Away from Screen
- 11:44 AM

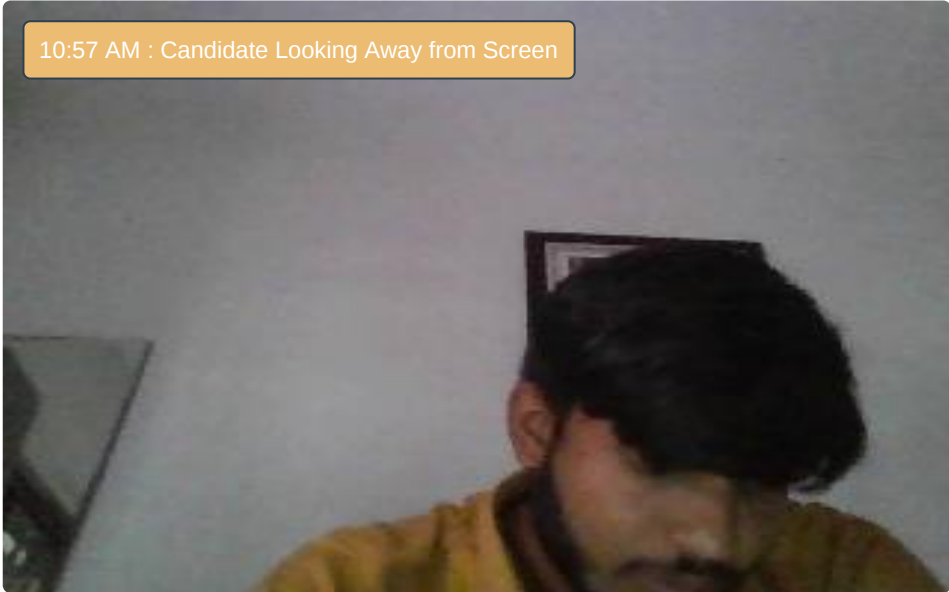
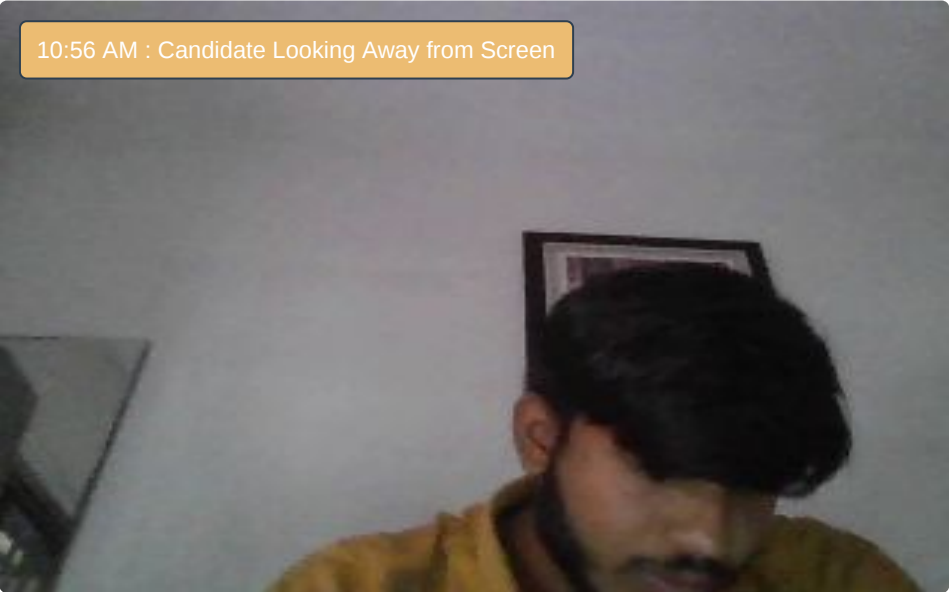


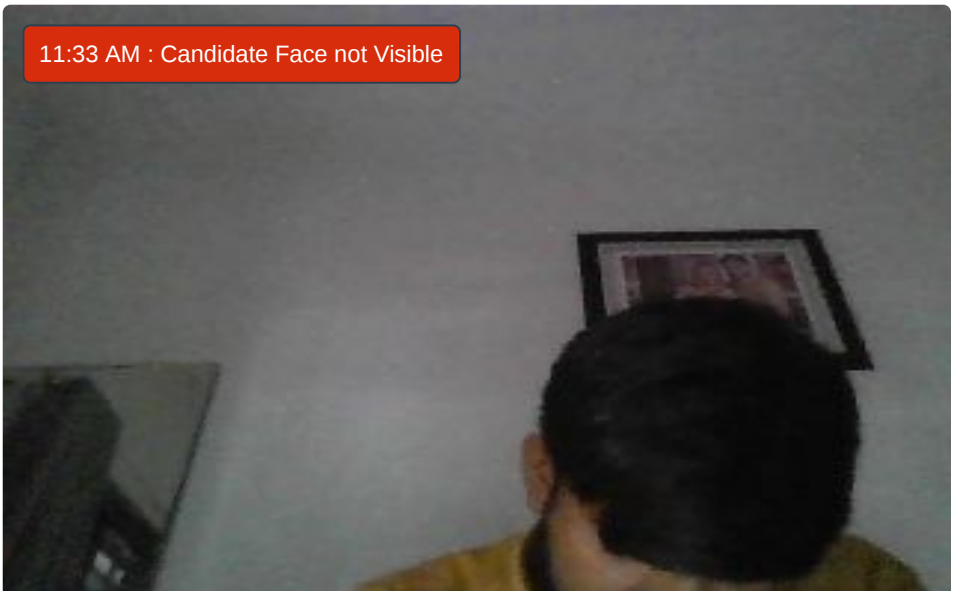
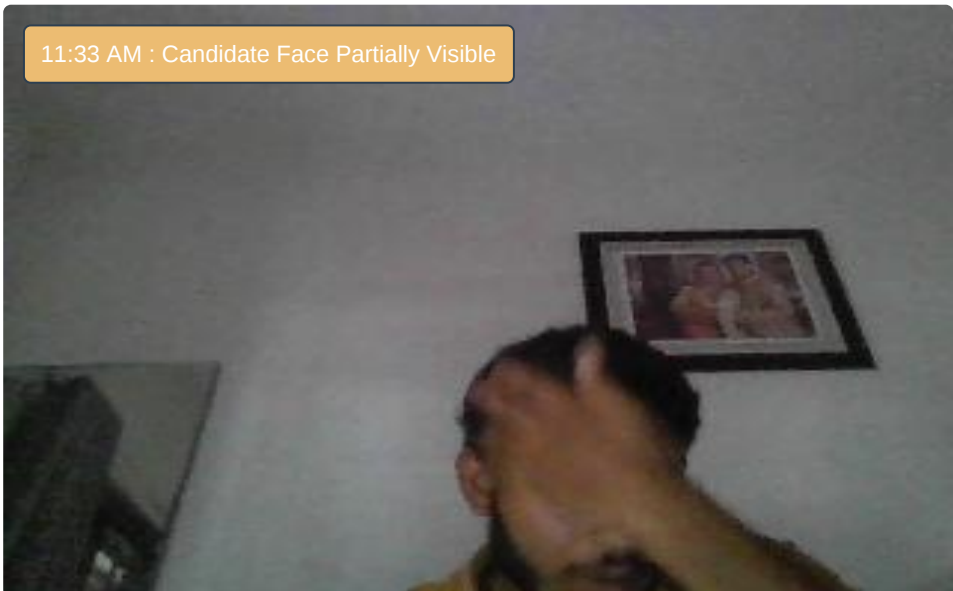
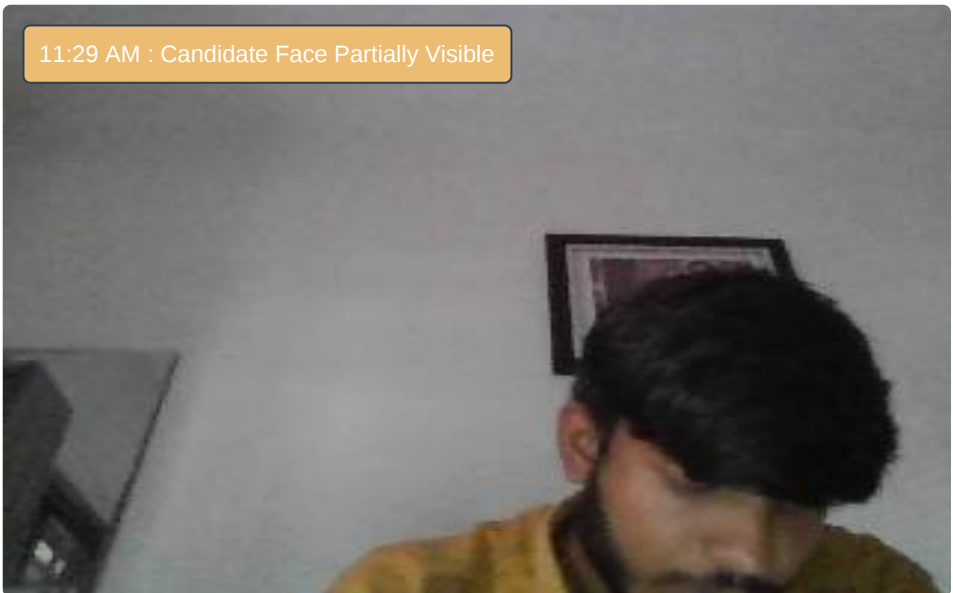
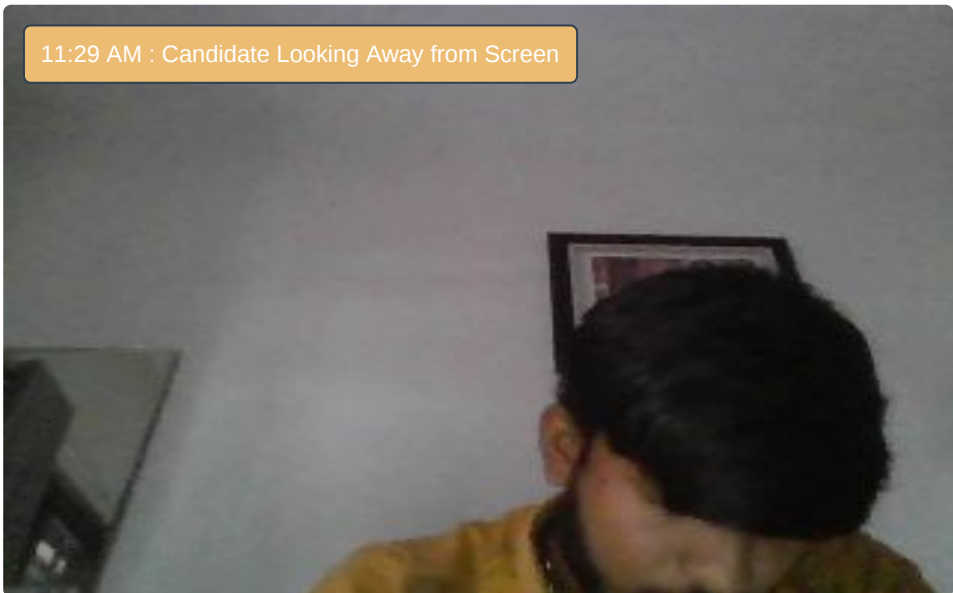
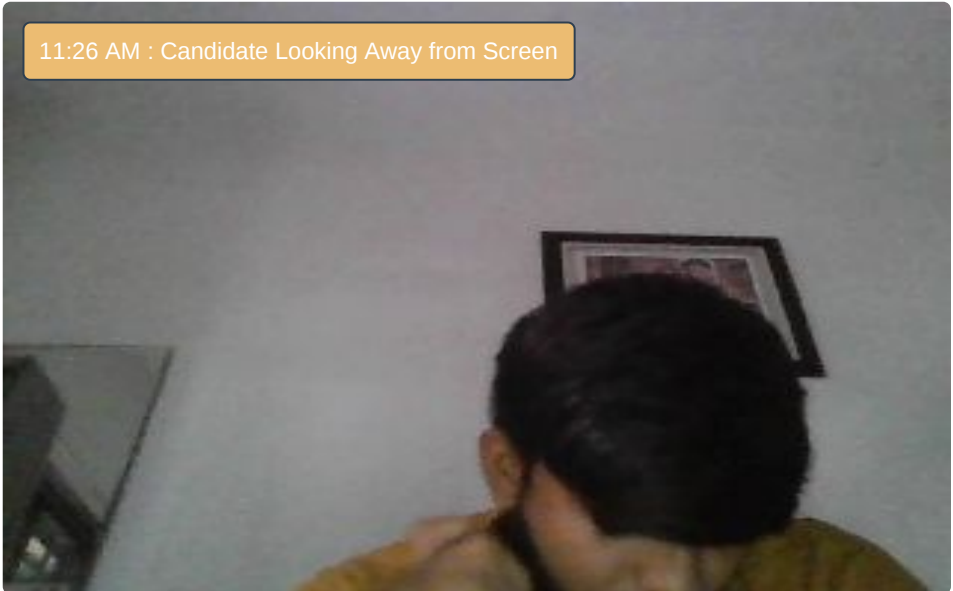
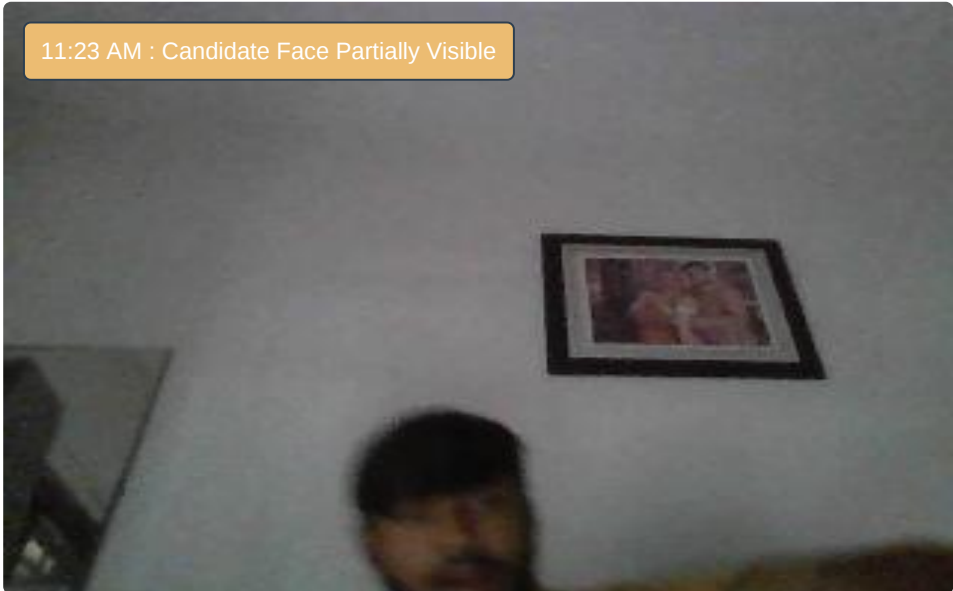
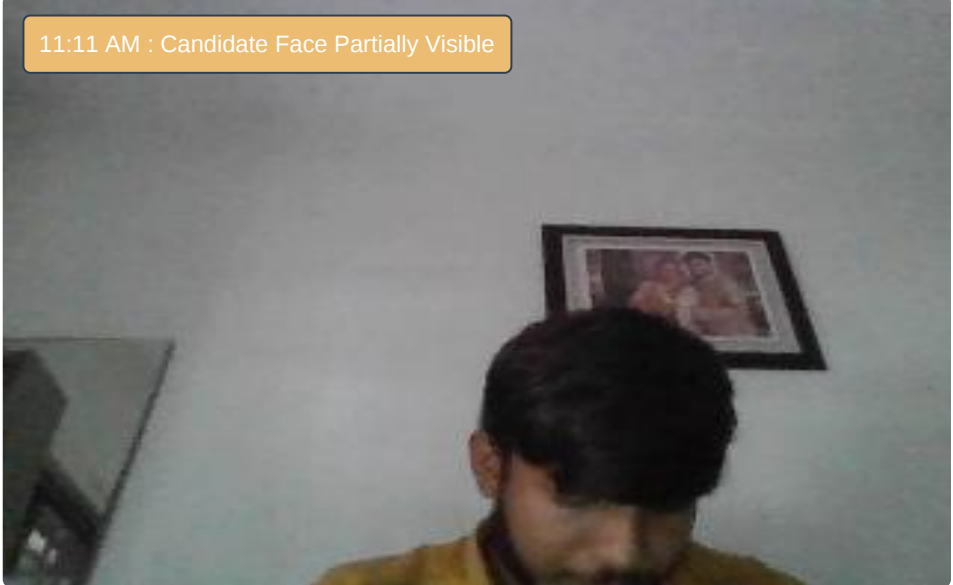
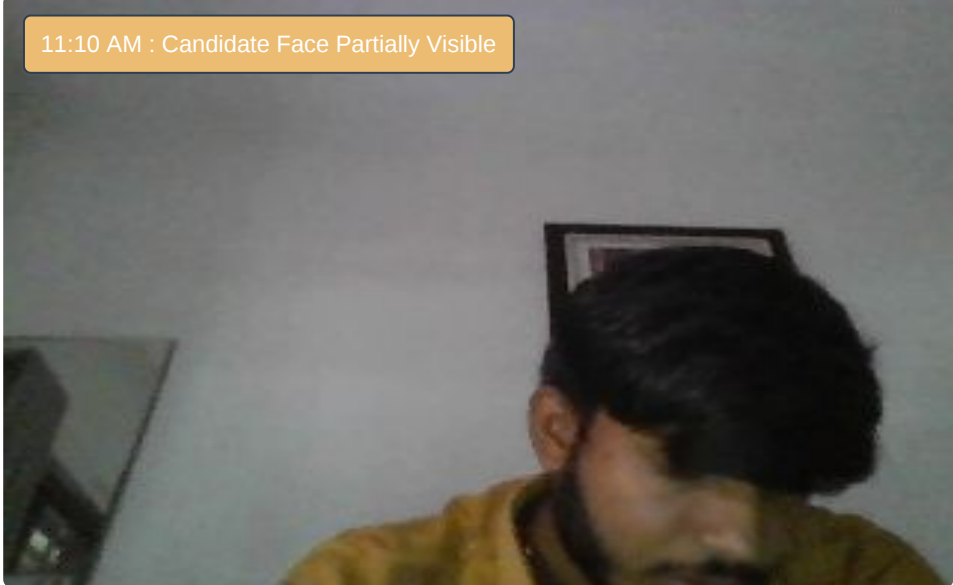
Candidate Face Partially Visible
- 11:44 AM

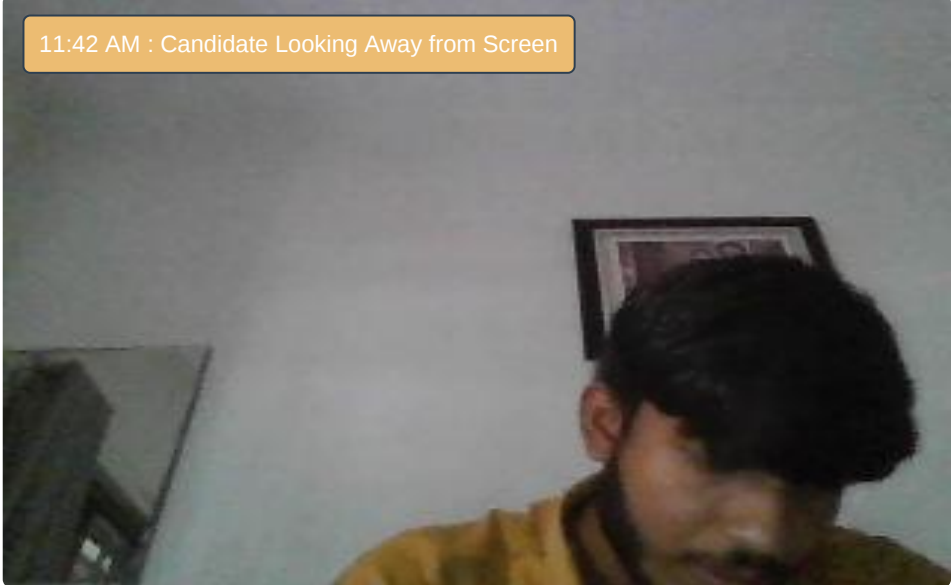
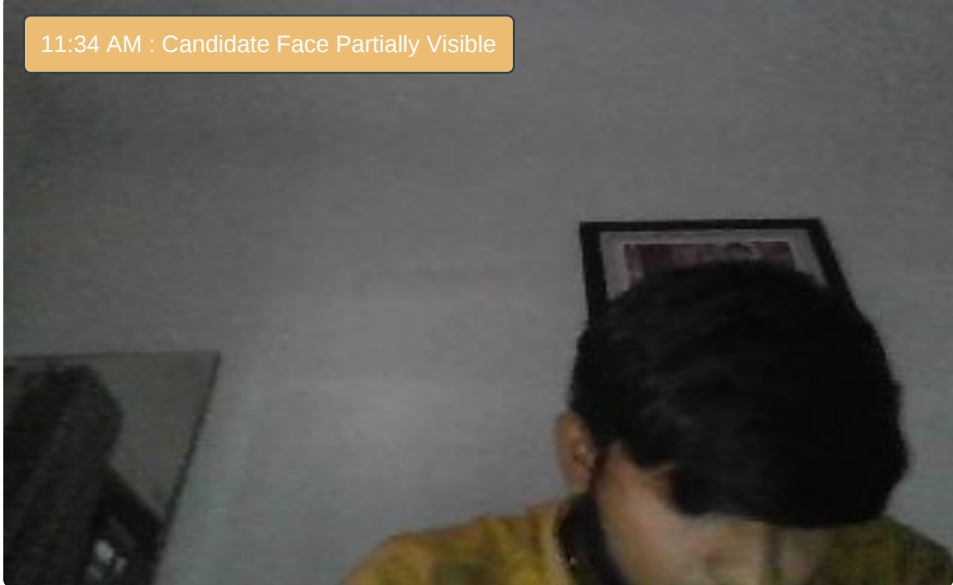


Test ended due to time over

Images of Test-Taker







## About the Report

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