

Instruction Sheet for the Candidate

Qualification	Design Database (Mobile App, Web & Game Development)
Competency Standard	Manipulate database using SQL
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____ Registration/Roll Number_____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Insert data in tables • Modify data in table • Delete data from table • View data from table • Use aggregate functions • Use DBMS keywords
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Insert data in table</p> <ol style="list-style-type: none"> 1. Identify Table in which data needs to be inserted 2. Use INSERT INTO clause with Table name 3. Write comma separated list of columns in the table surrounded by parenthesis 4. Write comma separated values to insert surrounded by parenthesis in the VALUES clause <p>Modify data in table</p> <ol style="list-style-type: none"> 1. Identify the record or data to be updated in table 2. Use UPDATE clause with Table name 3. Use SET clause with column name and value of particular column name/s to update the existing value/s 4. Use WHERE clause with condition to select target record <p>Delete data from table</p> <ol style="list-style-type: none"> 1. Identify the record to delete from table 2. Use DELETE FROM clause to remove record from table 3. Identify operators and functions used in WHERE clause 4. Use Where clause with condition to select a target row to delete <p>View data from table</p> <ol style="list-style-type: none"> 1. Identify table/tables to view data 2. Identify attributes from tables to view data 3. Use SELECT clause with column names 4. Use FROM clause with table/s name/s to mention table/s name/s

	<ol style="list-style-type: none"> 5. Use WHERE clause with condition to select target data 6. Use AND, OR, NOT in WHERE clause 7. Use appropriate operators to form a condition 8. Use joins in WHERE clause 9. Use wildcard characters 10. Use suitable join to view data 11. Use Alias <p>Use aggregate functions</p> <ol style="list-style-type: none"> 1. Identify different types of aggregate functions in DBMS 2. Use aggregate functions in DBMS <p>Use DBMS keywords</p> <ol style="list-style-type: none"> 1. Identify available keywords in DBMS 2. Use suitable keywords for better representation of data
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Design Database (Mobile App, Web & Game Development)
Competency Standard	Manipulate database using SQL
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> Insert data into tables Modify data in table Delete data from table View data from table Use aggregate functions Use DBMS keywords

I can.....

Performance Criteria	Yes	No
1. Identify Table in which data needs to be inserted	<input type="checkbox"/>	<input type="checkbox"/>
2. Use INSERT INTO clause with Table name	<input type="checkbox"/>	<input type="checkbox"/>
3. Write comma separated list of columns in the table surrounded by parenthesis	<input type="checkbox"/>	<input type="checkbox"/>
4. Write comma separated values to insert surrounded by parenthesis in the VALUES clause	<input type="checkbox"/>	<input type="checkbox"/>
5. Identify the record or data to be updated in table	<input type="checkbox"/>	<input type="checkbox"/>
6. Use UPDATE clause with Table name	<input type="checkbox"/>	<input type="checkbox"/>
7. Use SET clause with column name and value of particular column name/s to update the existing value/s	<input type="checkbox"/>	<input type="checkbox"/>
8. Use WHERE clause with condition to select target record	<input type="checkbox"/>	<input type="checkbox"/>
9. Identify the record to delete from table	<input type="checkbox"/>	<input type="checkbox"/>
10. Use DELETE FROM clause to remove record from table	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify operators and functions used in WHERE clause	<input type="checkbox"/>	<input type="checkbox"/>
12. Use Where clause with condition to select a target row to delete	<input type="checkbox"/>	<input type="checkbox"/>
13. Identify table/tables to view data	<input type="checkbox"/>	<input type="checkbox"/>
14. Identify attributes from tables to view data	<input type="checkbox"/>	<input type="checkbox"/>
15. Use SELECT clause with column names	<input type="checkbox"/>	<input type="checkbox"/>
16. Use FROM clause with table/s name/s to mention table/s name/s	<input type="checkbox"/>	<input type="checkbox"/>
17. Use WHERE clause with condition to select target data	<input type="checkbox"/>	<input type="checkbox"/>

18. Use AND, OR, NOT in WHERE clause	<input type="checkbox"/>	<input type="checkbox"/>
19. Use appropriate operators to form a condition	<input type="checkbox"/>	<input type="checkbox"/>
20. Use joins in WHERE clause	<input type="checkbox"/>	<input type="checkbox"/>
21. Use wildcard characters	<input type="checkbox"/>	<input type="checkbox"/>
22. Use suitable join to view data	<input type="checkbox"/>	<input type="checkbox"/>
23. Use Alias	<input type="checkbox"/>	<input type="checkbox"/>
24. Identify different types of aggregate functions in DBMS	<input type="checkbox"/>	<input type="checkbox"/>
25. Use aggregate functions in DBMS	<input type="checkbox"/>	<input type="checkbox"/>
26. Identify available keywords in DBMS	<input type="checkbox"/>	<input type="checkbox"/>
27. Use suitable keywords for better representation of data	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Design Database (Mobile App, Web & Game Development)
Competency Standard	Manipulate database using SQL
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task		<ul style="list-style-type: none"> • Insert data into tables • Modify data in table • Delete data from table • View data from table • Use aggregate functions • Use DBMS keywords 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify Table in which data needs to be inserted			
2.	Use INSERT INTO clause with Table name			
3.	Write comma separated list of columns in the table surrounded by parenthesis			
4.	Write comma separated values to insert surrounded by parenthesis in the VALUES clause			
5.	Identify the record or data to be updated in table			
6.	Use UPDATE clause with Table name			
7.	Use SET clause with column name and value of particular column name/s to update the existing value/s			
8.	Use WHERE clause with condition to select target record			
9.	Identify the record to delete from table			
10.	Use DELETE FROM clause to remove record from table			
11.	Identify operators and functions used in WHERE clause			
12.	Use Where clause with condition to select a target row to delete			
13.	Identify table/tables to view data			
14.	Identify attributes from tables to view data			
15.	Use SELECT clause with column names			
16.	Use FROM clause with table/s name/s to mention table/s name/s			
17.	Use WHERE clause with condition to select target data			
18.	Use AND, OR, NOT in WHERE clause			

19.	Use appropriate operators to form a condition			
20.	Use joins in WHERE clause			
21.	Use wildcard characters			
22.	Use suitable join to view data			
23.	Use Alias			
24.	Identify different types of aggregate functions in DBMS			
25.	Use aggregate functions in DBMS			
26.	Identify available keywords in DBMS			
27.	Use suitable keywords for better representation of data			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Design Database (Mobile App, Web & Game Development)
Competency Standard	Manipulate database using SQL
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-around; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Define DML.		
2.	Define inner join.		
3.	Why "Where" clause is used?		

4.	Name any three aggregate functions.		
5.	Why "Group By" clause is used?		

Feedback to the Candidate	
Candidate's Signature _____	Assessor's Signature _____