<ul> <li>1. Which DML operation may cause a phantom read in transactions?</li> <li>A) INSERT</li> <li>B) UPDATE</li> <li>C) DELETE</li> <li>D) All of these</li> <li>Answer: D</li> </ul>	
<ul> <li>2. Which isolation level prevents lost updates but allows phantom reads?</li> <li>A) READ UNCOMMITTED</li> <li>B) READ COMMITTED</li> <li>C) REPEATABLE READ</li> <li>D) SERIALIZABLE</li> <li>Answer: C</li> </ul>	
<ul> <li>3. Which DML command may escalate row locks to table lock under heavy load?</li> <li>A) INSERT</li> <li>B) UPDATE</li> <li>C) DELETE</li> <li>D) All of these</li> <li>Answer: D</li> </ul>	
<ul> <li>4. Which clause can be used to return modified rows in UPDATE?</li> <li>A) RETURNING</li> <li>B) OUTPUT</li> <li>C) BOTH (depends on DBMS)</li> <li>D) None</li> <li>Answer: C</li> </ul>	
<ul><li>5. Which SQL standard introduced DELETE with WHERE CURRENT OF cursor?</li><li>A) SQL:1992</li><li>B) SQL:1999</li><li>C) SQL:2003</li><li>D) SQL:2011</li><li>Answer: A</li></ul>	
<ul><li>6. Which operation is affected by deferred constraints?</li><li>A) INSERT</li><li>B) UPDATE</li><li>C) DELETE</li><li>D) All of these</li></ul>	

Answer: D
7. Which DBMS feature allows ignoring constraint errors during bulk insert?  A) IGNORE  B) EXCEPTIONS INTO  C) CONTINUE  D) SKIP CONSTRAINTS  Answer: B
<ul><li>8. Which DML statement can be parallelized for faster execution?</li><li>A) INSERT</li><li>B) UPDATE</li><li>C) DELETE</li><li>D) All of these</li><li>Answer: D</li></ul>
<ul> <li>9. Which operation may fail under "mutating table" error in Oracle?</li> <li>A) INSERT trigger</li> <li>B) UPDATE trigger</li> <li>C) DELETE trigger</li> <li>D) All of these</li> <li>Answer: D</li> </ul>
10. Which DML statement can use WITH CHECK OPTION in views?  A) INSERT  B) UPDATE  C) DELETE  D) All of these  Answer: D
<ul><li>11. Which keyword allows skipping rows violating constraints in INSERT (MySQL)?</li><li>A) SKIP</li><li>B) IGNORE</li><li>C) CONTINUE</li><li>D) NULL</li><li>Answer: B</li></ul>
<ul><li>12. Which DML statement can cause cascading changes with foreign keys?</li><li>A) DELETE</li><li>B) UPDATE</li></ul>

C) Both A and B
D) INSERT
Answer: C
13. Which DML command supports OUTPUT clause in SQL Server?
• •
A) INSERT
B) UPDATE
C) DELETE
D) All of these
Answer: D
14. Which Oracle feature allows conditional multi-table insert?
A) INSERT ALL
B) INSERT FIRST
C) MERGE
D) Both A and B
Answer: D
15. Which clause in MERGE decides whether to insert or update?
A) WHEN MATCHED / WHEN NOT MATCHED
B) IF/ELSE
C) CASE
D) ON DUPLICATE
Answer: A
16. Which MERGE behavior may cause constraint violation?
A) WHEN MATCHED UPDATE
B) WHEN NOT MATCHED INSERT
C) WHEN NOT MATCHED BY SOURCE DELETE
D) All of these
Answer: D
17. Which DML operation may cause deadlocks most frequently?
A) UPDATE
B) DELETE
C) INSERT
D) MERGE
Answer: A
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18. Which statement can implement UPSERT in Oracle?

A) MERGE B) INSERT ON DUPLICATE KEY C) UPDATE OR INSERT D) Both A and B (depending on DBMS) Answer: D	
19. Which command can perform conditional delete in MERGE? A) WHEN MATCHED THEN DELETE B) WHEN NOT MATCHED THEN DELETE C) DELETE WHERE D) Both A and C Answer: A	
<ul><li>20. Which DML may cause ORA-00060 deadlock in Oracle?</li><li>A) UPDATE with joins</li><li>B) DELETE with subquery</li><li>C) INSERT with trigger</li><li>D) All of these</li><li>Answer: D</li></ul>	
21. Which SQL feature allows auditing DML operations automati A) Triggers B) Views C) Indexes D) Synonyms Answer: A	cally?
22. Which DML statement can populate multiple tables at once? A) INSERT ALL B) MERGE C) UPDATE with JOIN D) DELETE with USING Answer: A	
<ul><li>23. Which is true about TRUNCATE vs DELETE?</li><li>A) TRUNCATE cannot activate triggers</li><li>B) DELETE activates triggers</li><li>C) TRUNCATE is DDL, DELETE is DML</li><li>D) All of these</li></ul>	

Answer: D

24. Which DML can use RETURNING clause in Oracle? A) INSERT B) UPDATE C) DELETE D) All of these Answer: D
25. Which clause helps avoid constraint violation in bulk UPDATE?  A) CASE B) CHECK OPTION C) SAVE EXCEPTIONS D) SKIP Answer: C
26. Which DML is most likely to cause lost update anomaly? A) UPDATE B) INSERT C) DELETE D) MERGE Answer: A
27. Which command is used to delete duplicate rows while keeping one?  A) DELETE with ROW_NUMBER()  B) TRUNCATE  C) DROP  D) UPDATE  Answer: A
28. Which join can be used in DELETE to remove orphan rows?  A) LEFT JOIN  B) INNER JOIN  C) FULL JOIN  D) CROSS JOIN  Answer: A
29. Which join can be used in UPDATE to sync tables? A) INNER JOIN B) LEFT JOIN C) RIGHT JOIN

D) All of these Answer: D
30. Which clause can help prevent phantom deletes?  A) FOR UPDATE  B) SERIALIZABLE isolation  C) LOCK TABLE  D) All of these  Answer: D
31. Which operation can cause cascading NULLs if foreign keys use SET NULL?  A) DELETE parent row  B) UPDATE parent key  C) Both A and B  D) INSERT  Answer: C
32. Which is true about deferred DML constraints?  A) Checked at transaction commit  B) Can defer foreign key checks  C) Improves performance in batch loads  D) All of these  Answer: D
33. Which DML can use OUTPUT INTO clause in SQL Server?  A) INSERT  B) UPDATE  C) DELETE  D) All of these  Answer: D
34. Which statement can perform conditional update on multiple rows?  A) UPDATE with CASE  B) UPDATE with JOIN  C) UPDATE with subquery  D) All of these  Answer: D
35. Which DML anomaly is prevented by SERIALIZABLE isolation? A) Dirty reads

B) Non-repeatable reads C) Phantom reads D) All of these Answer: D
36. Which SQL clause allows ignoring errors in multi-row INSERT in Oracle?  A) LOG ERRORS  B) SAVE EXCEPTIONS  C) IGNORE  D) Both A and B  Answer: D
37. Which Oracle clause allows bulk insert with error logging?  A) LOG ERRORS  B) IGNORE  C) RETURNING  D) CONTINUE  Answer: A
38. Which DBMS supports ON DUPLICATE KEY UPDATE in INSERT?  A) MySQL  B) Oracle  C) SQL Server  D) PostgreSQL  Answer: A
39. Which DBMS supports INSERT ON CONFLICT DO UPDATE? A) PostgreSQL B) MySQL C) Oracle D) SQL Server Answer: A
40. Which SQL Server command combines insert/update/delete logic? A) MERGE B) UPSERT C) OUTPUT D) INSERT ALL Answer: A

41. Which Oracle feature supports conditional multi-table updates? A) MERGE B) UPDATE with CASE C) Multi-table UPDATE D) All of these Answer: D	
42. Which type of locks are acquired by UPDATE? A) Exclusive locks B) Shared locks C) Intent locks D) Both A and C Answer: D	
43. Which type of locks are acquired by SELECT FOR UPDATE? A) Shared locks B) Exclusive row locks C) Intent exclusive locks D) Both B and C Answer: D	
44. Which DML may trigger ON DELETE CASCADE constraint? A) DELETE parent row B) DELETE child row C) UPDATE child row D) INSERT child row Answer: A	
45. Which feature can reduce undo/redo logs in DML-heavy workloads? A) Bulk operations B) Direct-path insert C) Deferred constraints D) All of these Answer: D	
46. Which DML may cause ORA-02291 (integrity constraint violation)? A) INSERT with invalid foreign key B) UPDATE with invalid foreign key C) DELETE parent with children D) All of these	

Answer: D 47. Which DML may cause ORA-01400 (cannot insert NULL)? A) INSERT without mandatory column B) UPDATE setting column to NULL C) Both A and B D) DELETE Answer: C 48. Which command can implement SCD Type 2 in data warehousing? A) MERGE B) UPDATE with CASE C) INSERT with SELECT D) DELETE and INSERT Answer: A 49. Which DBMS supports DELETE ... USING syntax? A) PostgreSQL B) Oracle C) SQL Server D) MySQL Answer: A 50. Which Oracle feature allows updating with subquery factoring? A) WITH clause B) MERGE C) MATERIALIZED VIEW D) UPSERT Answer: A