SQL Interview Questions

Q1. How to delete duplicate records?

Q2. What is Materialized View in database?

Q3. Difference between View vs Materialized View in database

Q4. What are oracle defined or pre-defined Exceptions

Q5. Display the 10th record of the emp table? (without using row id)

Q6. Delete the 10th record of EMP table?

Q7. What are Schema Objects?

Q8. What is Data?

Q9. What is a Table?

Q10. What is a View?

Q11. What is an Index?

Q12. What is the difference between UNIQUE or PRIMARY KEY Constraint?

Q13. What is difference between TRUNCATE and DELETE?

Q14.What is a join? Explain the different types of joins?

Q15. What is a Subquery?

Q16. What are Difference between SUBSTR and INSTR?

Q17. What is UNION, MINUS, UNION ALL, INTERSECT?

Q18. What is ROWID?

Q19. What is PRIMARY KEY, UNIQUE KEY, FOREIGN KEY?

Q20. What is ON DELETE CASCADE?

Q21. What will be returned from NVL2 (-22,0)?

Q22. Which one is single row subquery operator except one

Q23, An operator is used to get and display the common records

Q24. What is database?

Q25. How to check the leap year

Q26. Differences between DATE and TIMESTAMP in Oracle

Q27. How many columns can a table have?

Q28. When to create indexes?

Q29. What is the difference between foreign key and reference key ?

Q30.How to Get the database file names from Oracle:

Q31. What is SQL*Loader?

Q32. What are the original Export and Import Utilities?

Q34). What do you mean by Correlated subquery?

Q35) Display the depart numbers with more than three employees in each dept.

Q36) Display the various jobs along with a total number of employees in each job?

Q37) Display the names of clerks who earn a salary more than the lowest

salary of any salesman.

Q38) Display the names of employees from department number 10 with a salary greater than that of any employee working in other departments?

Q39) Can one rename a column in a table? No, this is listed as Enhancement Request 163519.Workarounds:

Q40.To find The Max Salary without MAX Function.

Q41. Alternate for DESC. SELECT COLUMN_NAME NAME, DECODE (NULLABLE,'N','NOT NULL','Y',' ')

Q42.SQL> Example for startwith, connect by and prior SELECT ENAME, JOB, LEVEL, EMPNO, MGR FROM EMP111 CONNECT BY PRIOR EMPNO=MGR START WITH ENAME = 'RAJA'

Q43. What is ER Diagram?

Q44. Describe Referential Integrity?

Q45.What are the Referential actions supported by FOREIGN KEY integrity constraint?

Q46.What is self-referential integrity constraint?

Q47.What are the limitations of a CHECK constraint?

Q48. Which script displays '01-JAN-02′ when the ENROLL_DATE value is '01-JUL-01′?

Q49.Which statement is true?

Q50. What is the difference between a view and a synonym?

Q51. Display the names of employees who earn a salary more than that of Jones or that of salary greater than that of scott.?

Q52. EXECUTE insert_location (19, .San Francisco .) What is the result in this EXECUTE command?

Q53.What is meant by Auto Close ? Related to database properties.

Q54.What is Auto Update stats and Auto create stats? How its going to affect the database performance?

Q55.What is SQLOS?

Q56.What do you mean by SQL server memory Capping?

Q57.What is max memory and minimum memory in SQL server?

Q58.What are the reasons of SQL server installation failure?

Q59.Where to check for SQL server installation failure reason?

Q60.What is ACID property in SQL server?

Q61.Explain ACID properties in database.

Q62.What do you mean by Transaction in SQL server?

Q63.What do you mean by concurrency in SQL server?

Q64.What are different types of concurrency in SQL server?

Q65.What are different level of transaction Isolation level? Explain them.

Q66.Can we restore the database to point of time in simple recovery mode?

Q67.What is .tuf file and .wrk file in log shipping?

Q68.Can we configure Log shipping for multiple secondary? If yes how?

Q69.What is meant by RPO and RTO?

Q70.What is your Backup strategy for Production servers?

Q71.What is fill factor? How its affect the database performance?

Q72. Can we configure mirroring from lower to higher version? Is this recommended?

Q73.What is Lock escalation?

Q74.What is wait_types? How we can get the information about wait_type?

Q75.What is the difference between PAGEIOLATCH and PAGELATCH?

Q76.List out some of the requirements to setup a SQL Server failover cluster.

Q77.Can we read the mirror database? How?

Q78.Can we migrate a 500GB database without having downtime? How?

Q79.Can we add a new data file on primary in log shipping? How its going to affect the log shipping setup?

Q80.Can we create a blank database of size 2MB on SQL 2016?

Q81.Explain what stored procedure sp_replcounters is used for?

Q82.Can you tell me some of the common replication DMV's and their use?

Q83.How to troubleshoot if SQL server service is not coming online on cluster network?

Q84.Does AlwaysON supports on Bulk and simple recovery mode?

Q85.Can we take the T-Log backup of a newly created database?

Q86.Is it possible to create additional indexes on read-only secondary replicas to improve query performance in AlwaysON?

Q87.Is it possible to create additional statistics on read-only secondaries to improve query performance in AlwaysON?

Q88.What is read intent option in AlwaysON?

Q89.Does AlwaysOn Availability Groups repair the data page corruption as Database Mirroring? Explain

Q90.Whatís the difference between AGs in SQL 2012 and SQL 2014?

Q91.What is maxdop? What is the recommended setting?

Q92.What is the significant of log_reuse_wait_desc column in sys.databases?

Q93.Can checkpoint be used for crash recovery, if a checkpoint starts but doesnít finish before a crash occurs?

Q94.Can SQL Server guarantee that thereís always one complete checkpoint in the active portion of the log, in case a crash occurs?

Q95.Does ghost records occur in heaps? Explain

Q96.If a table is truncated during a transaction, does the integrity of the tableís pages protected in case the transaction rolls back? Explain.

Q97.A databaseís log grew so large that I had to delete it, but on restarting SQL Server the database was in RECOVERY_PENDING mode and inaccessible! Whatís gone wrong? Explain

Q98.After checking DBCC LOGINFO found that log had 2000 VLFs. Is it something to worry about? Explain.

Q99.If all operations are logged, what happens during non-logged operations? Like Truncate.

Q100.I take regular log backups, but the log has still grown to a massive size and DBCC SHRINKFILE is having no effect at all Why? And what can I do about it?

Q101.How many data files preferred for TempDB for better performance?

Q102.How checkpoint affect TempDB?

Q103.Buffer pool contains so many of dirty pages related to TempDB? Why ?

Q104.What all Transaction Log is available in Full backup? What is its significance?

Q105.What is the cause, log_reuse_wait_desc is showing Replication and still the Replication has not been configured on database?

Q106. How to write sql query to get the data from table but column should contain the unique values?

Q107. How View works ?

Q108. What is indexing and why to use?

Q109. How to fetch data from employee details who are from Bangalore city?

Q110. What is the command to get back the privileges provided by the GRANT command?

Q111. How to create a table by copying only the structure of another table?

Q112. How to drop a column from a table?

Q113. What is the use recursive stored procedure?

Q114. How to use Alias ?

Q115. Difference between TRUNCATE and DROP statements?

Q116. How to create database in mysql?

Q117. How to drop database in mysql?

Q118. How to create a replica of existing table?

Q119. Write a SQL statement to display all the record from employee table which has salary above 50000

Q120. What is Union and how to write sql?

Q121. What is Union All and how to apply on tables ?

Q122. What is like and how to use it?

Q123. What does MIN(),MAX() functions do?

Q124. What is BETWEEN and how it works ?

Q125. How UPDATE statement works internally and how to use ?

Q126. What is join and what are the types of joins is there ?

Q127. How Left Join works?

Q128. How to get the total number of records present in a table?

Q129. How to search a substring of name?

Q130. How to take table records with some limit in Mysql?

Q131. What is distinct keyword and how it works?

Q132. What is Where clause?

Q133. What is AND operator in SQL?

Q135. What is NOT operator in SQL?

Q136. What is OR operator?

Q137. What is Order by Statement in SQL?

Q138. How Insert into Statement works ?

Q139. How to update multiple column in same table using update?

Q140. How DELETE works in SQL?

Q141. What is the use of right Join?

Q142. What is the use of TOP keyword ?

Q143. How do get the lowest and highest data from a table?

Q144. What is the commonly used aggregate function in SQL?

Q145. What is the use of IN operator in SQL?

Q146. What is the mean by SQL Join?

Q147. What is the use of INNER join in SQL?

Q148. What is the use of FULL OUTER join in SQL?

Q149. What is the use of SELF join in SQL?

Q150. How to write to display a string like 'Life is all about the next step'?

Q151. How to write sql query to get 3 numbers in 3 columns.

Q152. How to write query to get the sum of 100 and 55

Q153. How change database from one to another?

Q154. Which are the conditional clauses in SQL?

Q155. What is the difference between Where and Having?

Q156. Difference between Group and Order by?

Q157. What is the use of stored procedure?

PL-SQL Interview Questions and Answers

Q1. What is PL/SQL?

Q2. What is the basic structure of PL/SQL?

Q3. What is cursor ? Why cursor is required?

Q4. Explain the two types of cursors?

Q5. What is the cursor attributes used in PL/SQL?

Q6. What is Exception in Oracle?

Q7. When is the CURSOR_ALRADY_OPEN exception raised?

Q8. Is there a limit on the size of a PL/SQL block?

Q9. What are the advantages of Stored Procedures?

Q10. Can standalone programs be overloaded?