**What is SQL**

**What are the 5 categories of sub-languages of SQL**

**Which categories of SQL cause an IMPLICIT Commit**

**Differentiate between DELETE and TRUNCATE**

**Explain COMMIT and ROLLBACK**

**When does implicit rollback happens**

**Difference between Date & Timestamp datatypes**

**Difference between CHAR and VARCHAR datatypes**

**What is the default date format in Oracle**

**Which are the pseudocolumns**

**What is ROWID and ROWNUM**

**What are INTEGRITY constraints**

**Differentiate between TABLE-level and COLUMN-level constraints**

**Explain ENTITY integrity and REFERENTIAL integrity**

**Explain USER\_TABLES, USER\_TAB\_COLUMNS, USER\_CONSTRAINTS, USER\_CONS\_COLUMNS**

**What is ON DELETE CASCADE and ON DELETE SET NULL with foreign key**

**Which constraints get copied when we use CREATE….SELECT command to create a new table**

**When do we need to use double quotes for column-aliases**

**What are the different types of operators, like relational or comparison, arithmetic, logical, special , multi-row subquery operators, set operators**

**Which are the logical operator**

**What is the operator precedence for logical operators**

**Explain the 4 set operators**

**Differentiate between single-row functions and group functions**

**What is group by clause**

**Differentiate between WHERE and HAVING clause**

**Why do we need JOINs**

**Explain OUTER JOINS and the different types of OUTER JOINS**

**What is CROSS JOIN**

**What is NATURAL JOIN**

**What is SELF JOIN**

**What is NON\_EQUI JOIN**

**When do we need SUB\_QUERIES**

**Which are the 3 multi-row comparison operators**

**What is a co-related sub-query**

**What are inline views**

**What is the EXISTS operator**

**What are VIEWS and why do we use VIEWS**

**What are Simple views and Complex views**

**What is the WITH CHECK OPTION and WITH READ ONLY option with views**

**What is the use of INDEXES**

**When are indexes implicitly created**

**What is DATA\_DICTIONARY**

**What is the difference between USER\_, ALL\_, DBA\_ data-dictionaries**

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**Why do we need PLSQL**

**What are the different types of BLOCKS in PLSQL**

**Which are the mandatory and optional sections of a block**

**When do we use %rowtype and when do w use %type**

**What is a record-type**

**What do you mean by local-screening of variables**

**What is cursor?**

**When do we need EXPLICIT cusrors**

**When does PLSQL use IMPLICIT cursors**

**What are the 4 cursor attributes**

**What are the 4 steps to implement a cursor**

**What are the advantages of a CURSOR FOR LOOP**

**What is the FOR UPDATE clause with explicit cursors**

**What s the WHERE CURRENT OF CURSOR clause**

**What are the 3 parameter modes for parameters used in Procedure and Functions**

**What is the difference between procedures and functions**

**What are local procedures and local functions**

**Difference between STORED/STANDALONE sub-programs and LOCAL sub-programs**

**What are the 3 methods of passing parameters to procedures/functions**

**What is USER\_SOURCE, USER\_ERRORS, USER\_OBJECTS**

**How do we implement global-variables in PLSQL**

**What are the various advantages of packages**

**How or Why do packages support overloading feature**

**What are triggers or when do we use triggers**

**What is the difference between statement-level and row-level triggers**

**How is data made available to us in row-level triggers or what are the system variables through which data made available to us in row-level triggers**

**What are the conditional-predicates used in triggers**

**Can a trigger have a COMMIT/ROLLBACK command**

**What are autonomous triggers**

**What is mutating-table error in row-level triggers and how can we avoid it**

**How many times is a Statement-level trigger and how many times is a Row-level trigger fired**

1. **To fetch ALTERNATE records from a table. (EVEN NUMBERED)**
2. **To select ALTERNATE records from a table. (ODD NUMBERED)**
3. **Find the Nth MAX salary in the emp table.**
4. **Find the top N-salaried rows in the emp table**
5. **Find the Nth MIN salary in the emp table.**
6. **Find the bottom N-salaried rows in the emp table**
7. **Select FIRST n records from a table.**
8. **Select LAST n records from a table**
9. **List dept no., Dept name for all the departments in which there are no employees in the department.**
10. **Select DISTINCT RECORDS from emp table.**
11. **How to delete duplicate rows in a table?**
12. **Count of number of employees department  wise, showing both deptno and department name**
13. **Select all record from emp where job not in SALESMAN  or CLERK.**
14. **Select all record from emp where ename in 'BLAKE','SCOTT','KING' and 'FORD' without using OR.**
15. **Select all records where ename starts with ‘S’ and its length is 6 char.**
16. **Select all records where ename may be any number of characters but it should end with ‘R’.**
17. **In emp table add comm+sal as total sal.**
18. **How can I create an empty table emp1 with same structure as emp?**
19. **Select all records where deptno of both emp and dept table matches without using join**
20. **If there are two tables emp1 and emp2, and both have common record. How can I fetch all the records but common records only once?**
21. **How to fetch only common records from two tables emp and emp1?**
22. **How can I retrieve all records of emp1 those should not present in emp2?**
23. **Count the totalsal, deptno wise where more than 2 employees exist.**