**First Round:**

1. Difference between %ROWTYPE and %TYPE. Why %TYPE is beneficial?
2. Difference between DELETE and TRUNCATE?
3. There are 3 tables A, B, C which have 10 records each

An anonymous block executes the below statements

A: Inserts 10 more records

B. Deletes 10 records

C: Truncate

And then a ROLLBACK is issued.

What will be record count in A, B, C?

1. Tell a query to print the below pattern as output using single SQL statement

1

2

3

1. How to find the number of occurrences of the letter ‘0’ in ‘neighbourhood’ using any SQL function?
2. How to find the maximum salary in an employee table using departmentwise?
3. How to find the duplicates in an employee table without using the primary key – emp id?
4. Tell the query to delete duplicate records
5. Tell a query to update a column of a table based on:

When ‘gender’=’FEMALE’ then ‘Dayshift;

When ‘gender’=’MALE’ then ‘Nightshift;

1. What is an index? Types of indexes?
2. Explain the structure of B-Tree and Bitmap indexes? When to use them?
3. There is a table column with below values:

100

200

300

300

400

400

500

Tell the output using RANK and DENSE\_RANK?

**Second Round:**

1. Difference between Oracle 10g and 11g, stating any major difference that helped you for development in 11g.
2. Tell the foreground and background Oracle architecture overview including the processes and flow
3. Which is faster DELETE or TRUNCATE and why?
4. Can you write max,min salary using single SQL statement?If ‘yes’ ,tell the query.
5. Write a query to print the below pattern as output using single SQL statement

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1. What will be the result of select count (\*) from emp where 1=2;
2. What will be the result of select count(\*) from emp where emp table has no records
3. Difference between:

select into <table\_name2> from <table\_name1>;

Create <table\_name2> as select \* from <table\_name1>;

1. If there are 10000 lines of code in a procedure,and its taking long time to execute,how will you identify the root cause (any tool/method)?
2. Explain the steps of explain plan and what things you check in that?
3. An index is created for faster retrieval of rows, but when huge records are inserted there is some problem with the index.Could you tell where the issue could be.How to identify it?
4. How to fetch a substring from a string (that could be given as an input parameter during runtime) without knowing the length,start position,end position and all?Dynamic fetch of a substring
5. Which will execute fast IN or EXISTS?
6. Tell the number of times the query will execute with IN and EXISTS for:

T1 with 100 records

T2 with 50 records

1. What are the different types of hints? What is APPEND hint?
2. Why do you use APPEND in SQL Loader?
3. How to fetch the first date of a particular date which has day,month,year in it?
4. Tell a query to print the below pattern as output using single SQL statement

1

2

3

4

5

6

7

8

9

10

1. What are AWR reports?
2. How to find the pattern ‘and’ from a file in UNIX? It should only fetch ‘and’ and not something like ‘sand’
3. Use of awk command and how to use it for a file without delimiters in it?
4. What can you interpret from dbms\_trace?