

1. You have primary key (Oracle creates default index on a primary key) as well as user created index on the same table then which index will fire?

2. Is it possible to create an index on views?

Ans:- Oracle SQL does not support creating indexes on views.

3. Is it possible to create an index on updatable views?

Ans:-It is not possible to create an index on a view.

4. Index makes searching fast explain how?

Take an example:

An index is a small referential table with two columns: the indexed value and the row ID. So an index on the age column will have two columns age (4 bytes) and row ID (4 bytes).

Each entry in the index is 8 bytes long, and the total size of the index will be $100 * 8 = 800$ bytes. When stored on the disk, the index will require 2 disk blocks.

In our example, it comes out to be $2 + 2 = 4$ block reads. So, we get an 8x boost in performance using indexes.

5. When to use Function-based index?

Function-based index used When we want to improve the performance of a query.

6. How does a database know when to use an index?

Database Indexing allows us to cut down the number of rows that need to be examined when a select query with a where clause is executed.

Suppose we have an *Employee* table, with fields 'Employee_Id' and 'Employee_Name'.

```
select * from Employee where Employee_Name = 'abc';
```

Every single row is checked to see if the employee_name matches with 'abc'.

7. How many clustered indexes can be created on a table?

Only one clustered index per table because the data can be stored in only one order.

8. If we create separate index on each column of a table, what are the advantages or disadvantages of the same?

Advantages will be as follow:

- * increased performance in searching for records,
- * sorting records
- * grouping records
- * maintaining a unique column

Disadvantages are as follow:-

- * increased disk space
- * slower data modification

*updating records in the clustered index

9.Can we create clustered index on a column containing duplicate values?

Yes, we can create a clustered index on key columns that contain duplicate values

10. Can we create a Primary Key on a table on which a clustered index is already defined?

Yes,we CAN add a clustered index to a heap without explicitly dropping and recreating the table.