

- Interview Question: How to Find Duplicate Records in Table?

Answer: To Find Duplicate Records in table you can use following query:

```
select a.* from Employee a where rowid !=  
(select max(rowid) from Employee b where a.Employee_num =b.Employee_num;
```

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1.Command Used to fetch records:

```
Select * from Employee;
```

Employee_num	Employee_name	Department
1	Rahul	OBIEE
1	Rahul	OBIEE
2	Rohit	OBIEE

So we will start analysing above table.First we need to calculate the records or fetch the records which are duplicate records.

We are again using concept of row_id here.So i am displaying row_ids of the employees.

```
select e.*,e.row_id from Employee e;
```

Employee_num	Employee_name	Department	Row_ID
1	Rahul	OBIEE	5001
1	Rahul		5002
2	Rohit	OBIEE	5003

Here you will see or analyse that for the duplicate records the row_ids are different. So our logic is fetch the records where the row_id is maximum. But we need to take care of joining condition because we want data for specific group. So in our table we will use Employee_num as condition.

So to Fetch the Duplicate records from table following is the Query:

```
select a.* from Employee a where rowid !=  
(select max(rowid) from Employee b where a.Employee_num =b.Employee_num;
```

It will fetch following results:

Employee_num	Employee_name	Department	Row_ID
1	Rahul	OBIEE	5002

Using Simple delete statement you can remove the duplicate records from the table.

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Use Following Query:

```
Delete from Employee a where rowid !=  
  
(select max(rowid) from Employee b where a.Employee_num  
=b.Employee_num;
```

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Hope the query explanation is helpful to you .Please post comment if any questions or queries if you have. These kind of questions are always asked in interviews.

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