Understanding DBMS_XPLAN.DISPLAY in Oracle SQL

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The SQL command:							
SELECT * FROM TABLE(DBMS_XPLAN.DISPLAY);							
is used to display the execution plan of the most recently executed SQL statement in Oracle.							
2. Breaking Down the Command							
- `SELECT * FROM`: Retrieves all columns from the table function.							
- `TABLE(DBMS_XPLAN.DISPLAY)`: Converts the output of `DBMS_XPLAN.DISPLAY` into a table format.							
- `DBMS_XPLAN.DISPLAY`: A function that retrieves execution plans from `PLAN_TABLE`.							
3. How It Works							
1. **Run an EXPLAIN PLAN for a Query**:							
EXPLAIN PLAN FOR							
SELECT * FROM employees WHERE department_id = 10;							
2. **Retrieve the Execution Plan**:							
SELECT * FROM TABLE(DBMS_XPLAN.DISPLAY);							
4. Sample Output							
Id Operation Name Rows Bytes Cost (%CPU) Time							
0 SELECT STATEMENT							
1 TABLE ACCESS FULL EMPLOYEES 10 260 2 (50) 00:00:01							
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5. Customizing DBMS_XPLAN.DISPLAY

You can pass parameters for more details:

SELECT * FROM TABLE(DBMS_XPLAN.DISPLAY('PLAN_TABLE', NULL, 'ALL'));

- `'PLAN_TABLE'`: Specifies the table storing the execution plan.
- `NULL`: Uses the last `EXPLAIN PLAN`.
- `'ALL'`: Provides detailed execution information.

6. Summary

- `DBMS_XPLAN.DISPLAY` helps analyze SQL execution plans.
- It shows **how Oracle processes a query** (index scans, full table scans, etc.).
- It is **used after** an `EXPLAIN PLAN` statement.
- Helps in **performance tuning and query optimization**.