Query#1 - Execution Plan - All Rows

Oracle SQL Developer : DSTBD

File   Modifica   Visualizza   Naviga   Esegui   Origine   Team   Strumenti   Finestra   Guida

0,077 secondi

```
SELECT *
FROM emp, dept
WHERE emp.deptno = dept.deptno AND emp.job = 'ENGINEER';
```

Output script   Explain plan

SQL   0,077 secondi

OPERATION	OBJECT_NAME	OPTIONS	CARDINALITY	COST
SELECT STATEMENT			5068	142
HASH JOIN			5068	142
Access Predicates				
EMP.DEPTNO=DEPT.DEPTNO				
TABLE ACCESS	DEPT	FULL	507	3
TABLE ACCESS	EMP	FULL	5078	139
Filter Predicates				
EMP.JOB='ENGINEER'				
Other XML				

Query#1 - Execution Plan - First Rows

Oracle SQL Developer : DSTBD

File   Modifica   Visualizza   Naviga   Esegui   Origine   Team   Strumenti   Finestra   Guida

0,067 secondi

```
SELECT /*+ FIRST_ROWS(10) */ *
FROM emp, dept
WHERE emp.deptno = dept.deptno AND emp.job = 'ENGINEER';
```

Output script   Explain plan

SQL   0,067 secondi

OPERATION	OBJECT_NAME	OPTIONS	CARDINALITY	COST
SELECT STATEMENT			12	5
HASH JOIN			12	5
Access Predicates				
EMP.DEPTNO=DEPT.DEPTNO				
TABLE ACCESS	DEPT	FULL	507	3
TABLE ACCESS	EMP	FULL	12	2
Filter Predicates				
EMP.JOB='ENGINEER'				
Other XML				

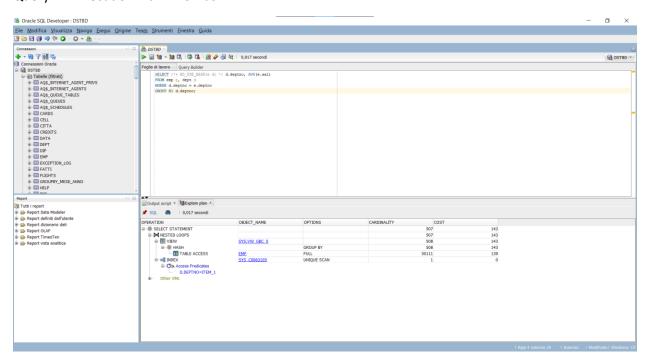## Query#2 - Execution Plan - Hash

Query#2 - Execution Plan - No Hash

Query#3 - Execution Plan

The SQL worksheet contains:

```
SELECT /*+ NO_USE_HASH(e d) */ ename, job, sal, dname
FROM emp e, dept d
WHERE e.deptno = d.deptno
AND NOT EXISTS
(SELECT * FROM salgrade WHERE e.sal = hisal);
```

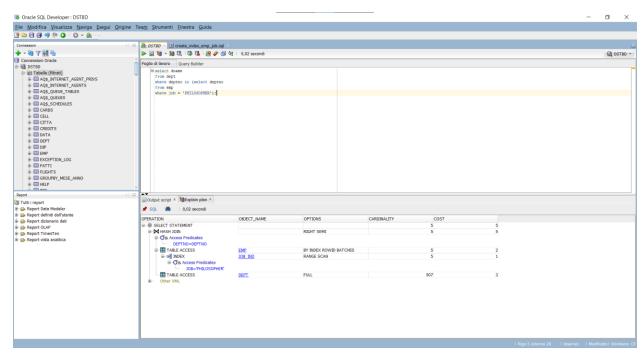| OPERATION	OBJECT_NAME	OPTIONS	CARDINALITY	COST
SELECT STATEMENT			50012	551
HASH JOIN		RIGHT ANTI	50012	551
Access Predicates				
E.SAL=HISAL				
TABLE ACCESS	SALGRADE	FULL	999	3
MERGE JOIN			50012	548
TABLE ACCESS	DEPT	BY INDEX ROWID	507	4
INDEX	SYS_C0063105	FULL SCAN	507	1
SORT		JOIN	50111	544
Access Predicates				
E.DEPTNO=D.DEPTNO				
Filter Predicates				
E.DEPTNO=D.DEPTNO				
TABLE ACCESS	EMP	FULL	50111	139
Other XML				

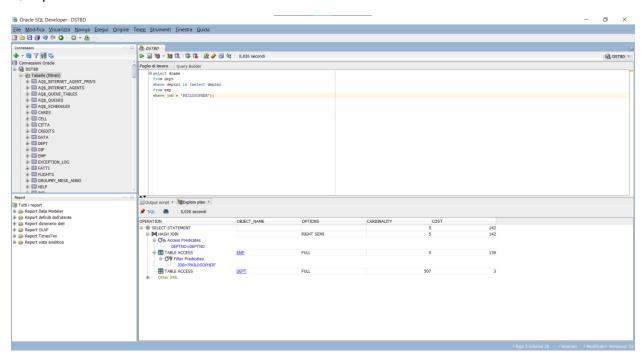## Query#4 - Execution Plan - Index on Sal

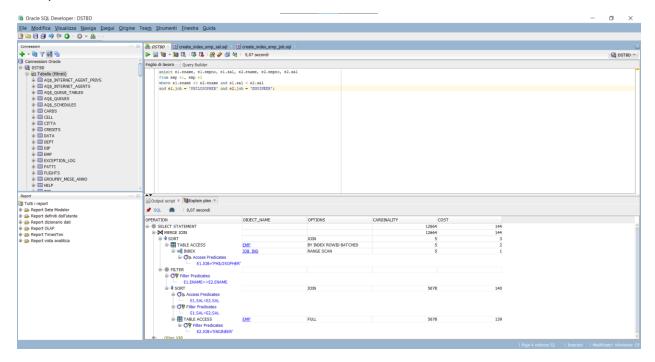## Query#4 - Execution Plan - No index

Query#5 - Execution Plan - Index on Job

Query#5 - Execution Plan - No Index

Query#6 - Execution Plan - Index on Sal and Job

Query#6 - Execution Plan - No Index