

/\*

'MATERIALIZE' 힌트로 인해 생성된 임시 테이블에 대해선, Table Scan이 발생함

\*/

WITH FIRST\_WITH AS (

SELECT /\*+ MATERIALIZE \*/

CNO,

CNAME,

PNO,

ROW\_NUMBER() OVER(ORDER BY CNO DESC) AS RNK

FROM COURSE

WHERE CNO LIKE '2%'

),

SECOND\_WITH AS (

SELECT /\*+ MATERIALIZE \*/

CNO,

CNAME,

PNO,

RNK

FROM FIRST\_WITH

WHERE TO\_CHAR(RNK) LIKE '1%'

),

THIRD\_WITH AS (

SELECT /\*+ MATERIALIZE \*/

A.CNO,

A.CNAME,

B.PNAME,

B.ORDERS,

A.RNK

FROM SECOND\_WITH A, PROFESSOR B

WHERE A.PNO = B.PNO

)

SELECT \*

FROM THIRD\_WITH; hash join 발생.

해당 with 구문의 결과로  
첫번째 임시테이블  
이 생성됨.

해당 with 구문의 결과로  
두번째 임시테이블이 생성됨.

해당 with 구문의 결과로  
세번째 임시테이블이 생성됨

두번째 임시 테이블과  
'PROFESSOR' 테이블에  
hash join 발생.

Id	Operation	Name	E-Rows	OMem	lMem	Used-Mem
0	SELECT STATEMENT					
1	TEMP TABLE TRANSFORMATION					
2	LOAD AS SELECT (CURSOR DURATION MEMORY)	SYS_TEMP_0FD9D6640_1BF915B		1024	1024	
3	WINDOW SORT		2	4096	4096	4096 (0)
* 4	TABLE ACCESS FULL	COURSE	2			
5	LOAD AS SELECT (CURSOR DURATION MEMORY)	SYS_TEMP_0FD9D6641_1BF915B		1024	1024	
* 6	VIEW		2			
7	TABLE ACCESS FULL	SYS_TEMP_0FD9D6640_1BF915B	2			
8	LOAD AS SELECT (CURSOR DURATION MEMORY)	SYS_TEMP_0FD9D6642_1BF915B		1024	1024	
* 9	HASH JOIN		1	1250K	1250K	1192K (0)
10	VIEW		2			
11	TABLE ACCESS FULL	SYS_TEMP_0FD9D6641_1BF915B	2			
12	TABLE ACCESS FULL	PROFESSOR	24			
13	VIEW		2			
14	TABLE ACCESS FULL	SYS_TEMP_0FD9D6642_1BF915B	2			

첫번째 임시테이블

두번째 임시테이블

세번째 임시테이블