

Lab 8

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Section 1

5)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null)

6)

4 and 5 produce the same plan

8)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null)
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2

9)

7 and 8 produce the same plan

11)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null)
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2

12)

10 and 11 produce the same plan

14)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null)
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null)
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2

15)

13 and 14 produce the same plan

Section 2

16)

5	OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE	OBJECT_TYPE	OPTIMIZER
1	SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null) (null)	ALL_ROWS	
2	HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)	
3	TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3 TABLE	(null)	
4	HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)	
5	TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1 TABLE	(null)	
6	TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2 TABLE	(null)	

17)

5	OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE	OBJECT_TYPE	OPTIMIZER	SEARCH_COI
1	SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null) (null)	ALL_ROWS		
2	HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
3	TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3 TABLE	(null)		
4	HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
5	TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1 TABLE	(null)		
6	TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2 TABLE	(null)		

18)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE	OBJECT_TYPE	OPTIMIZER	SEARCH_COI
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null) (null)	ALL_ROWS		
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3 TABLE	(null)		
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1 TABLE	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2 TABLE	(null)		

19)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE	OBJECT_TYPE	OPTIMIZER	SEARCH_COI
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null) (null)	ALL_ROWS		
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3 TABLE	(null)		
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1 TABLE	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2 TABLE	(null)		

Section 3

20)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE	OBJECT_TYPE	OPTIMIZER	SEARCH_COI
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null) (null)	ALL_ROWS		
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3 TABLE	(null)		
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1 TABLE	(null)		
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2 TABLE	(null)		

]

21)

OPERATION	OPTIONS	OBJECT_NODE	OBJECT_OWNER	OBJECT_NAME	OBJECT_ALIAS	OBJECT_INSTANCE	OBJECT_TYPE	OPTIMIZER
SELECT STATEMENT	(null)	(null)	(null)	(null)	(null)	(null) (null)	ALL_ROWS	
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)	
TABLE ACCESS	FULL	(null)	SYSTEM	C	C@SEL\$1	3 TABLE	(null)	
HASH JOIN	(null)	(null)	(null)	(null)	(null)	(null) (null)	(null)	
TABLE ACCESS	FULL	(null)	SYSTEM	A	A@SEL\$1	1 TABLE	(null)	
TABLE ACCESS	FULL	(null)	SYSTEM	B	B@SEL\$1	2 TABLE	(null)	

22) 20 and 21 produce the same plan