EXPLAIN

**Câu truy vấn ban đầu:**

SELECT /\*+ GATHER\_PLAN\_STATISTICS \*/ distinct u.userid,fullname

FROM contract ct, brands b, users\_ u, roles\_ r, car c

WHERE ct.userid = u.userid

AND c.carid = ct.carid

AND c.brandid = b.brandid

AND r.roleid = u.roleid

AND enddate >= '2021-08-11'

AND nation = 'Japan'

AND gender = 'Female'

AND rentcost >= 5000000

AND rolename = 'Nguoi dung';

Xem bảng EXPLAIN QUERY:

SELECT \* FROM TABLE(DBMS\_XPLAN.display\_cursor(format=>'ALLSTATS LAST'));

**Câu truy vấn sau khi tối ưu hoá:**

SELECT /\*+ GATHER\_PLAN\_STATISTICS \*/ distinct C.userid,fullname

FROM ( SELECT A.userid, fullname

FROM (SELECT userid, fullname, roleid FROM users\_ WHERE gender = 'Female')A

JOIN

(SELECT roleid FROM roles\_ WHERE rolename = 'Nguoi dung')B

ON A.roleid = B.roleid) C

JOIN

(SELECT D.userid

FROM (SELECT userid,carid FROM contract WHERE enddate>='2021-08-11')D

JOIN

(SELECT carid

FROM (SELECT brandid FROM brands WHERE nation = 'Japan') G

JOIN

(SELECT carid, brandid FROM car WHERE rentcost >= 5000000)H

ON G.brandid = H.brandid)F

ON F.carid = D.carid)E

ON E.userid = C.userid;

Xem bảng EXPLAIN QUERY:

SELECT \* FROM TABLE(DBMS\_XPLAN.display\_cursor(format=>'ALLSTATS LAST'));