### SQL Access Advisor Examples-ORACLE 19c using DBMS\_ADVISOR

**SQL Access Advisor Examples are as follows:**

**Example1: Steps to Implement Advisor recommendations**

**Step1: Create a sample table as the system user in fenagodb1**

Create user scott identified by tiger;

Grant dba to scott

**Step2: gather table statistics**

exec dbms\_stats.gather\_table\_stats  ('SCOTT', 'BIGPART')

**Step3: Create Advisor Task using dbms\_advisor.quick\_tune**

declare

    v\_sql varchar2(200) := 'select bname from hr.bigpart where bigno > 5000000';

    v\_tuning\_task varchar2(200) := 'tune\_task\_advisor\_hr';

    v\_tune\_result clob;

begin

***dbms\_advisor.quick\_tune*** ( ***dbms\_advisor.sqlaccess\_advisor*** , v\_tuning\_task, v\_sql );

***dbms\_output.put\_line*** ('Quick Tune Completed');

end;

**Step4:  Sql’s to check the status**

select \* from

user\_advisor\_templates

select \* from

user\_advisor\_journal

select \* from

user\_advisor\_recommendations

where task\_name = 'tune\_task\_advisor\_hr'

select \* from

user\_advisor\_actions

where task\_name = 'tune\_task\_advisor\_hr'

SELECT description, advisor\_name, created, status,

recommendation\_count, source, how\_created

FROM user\_advisor\_tasks WHERE task\_name = 'tune\_task\_advisor\_hr'

**Step5: To see the advisor recommendations execute below SQL**

SELECT ***DBMS\_ADVISOR.get\_task\_script***

('tune\_task\_advisor\_hr') AS script

FROM dual;

Below is the output from above sql statement

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Rem  SQL Access Advisor: Version 19.2.0.4.0 - Production

Rem

Rem  Username:        HR

Rem  Task:            tune\_task\_advisor\_hr

Rem  Execution date:  05/08/2021 07:09

Rem

CREATE MATERIALIZED VIEW LOG ON

    HR"."BIGPART"

    WITH ROWID ;

CREATE MATERIALIZED VIEW "MAHENDRA"."MV$$\_88110000"

    REFRESH FAST WITH ROWID

    ENABLE QUERY REWRITE

    AS SELECT BIGNO, BNAME FROM HR.BIGPART WHERE (BIGNO > 5000000);

begin

  dbms\_stats.gather\_table\_stats('"MAHENDRA"','"MV$$\_88110000"',NULL,dbms\_stats.auto\_sample\_size);

end;

/

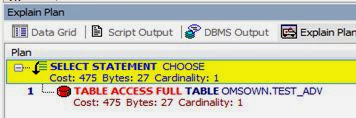
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**Step6: After Implementing the recommendations let’s see the execution plan comparison**

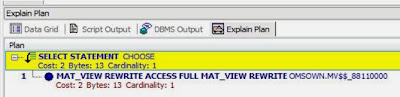
**Execution plan of following SQL**

select object\_name from test\_adv where object\_id = 1523

**Before:**

[](http://3.bp.blogspot.com/-5KfOdFUZYsc/UpW4eVwWGvI/AAAAAAAAAPE/BLcOCXomdtQ/s1600/Capture.JPG)

**After:**

[](http://4.bp.blogspot.com/-IgaBIzwl5EA/UpW44LGJNPI/AAAAAAAAAPM/OrFyo6u1wFc/s1600/Capture.JPG)

**Step7: Deleting the Task…… That’s It.**

exec ***dbms\_advisor.delete\_task***('test\_sql\_access\_task');