

data mining

MY SQL QUERIES



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use dwh\_src\_1

select \* from dwh\_src\_1.s1\_T1

-- RAW ZONE

create table RZ\_s1T1 as

(select \* from s1\_t1)

select \* from dwh\_src\_1.RZ\_s1T1

create table RZ\_s1T2 as

(select \* from s1\_t2)

select \* from dwh\_src\_1.RZ\_s1T2

create table RZ\_s1T3 as

(select \* from s1\_t3 where EMP\_SAL\_DIS\_DATE = '25-May-2022' )

select \* from RZ\_s1T3

insert into RZ\_s1T3 (select \* from s1\_t3 where EMP\_SAL\_DIS\_DATE = '25-May-2022')

use dwh\_src\_2

select \* from s2\_t1

select \* from s2\_t2

-- ATOMIC ZONE

use dwh\_src\_1\_atm\_zone

create table dwh\_src\_1\_atm\_zone.AZ\_Emp\_Expense as (select Emp\_ID,EMP\_CURR\_SAL,EMP\_CAP\_COST from dwh\_src\_1.RZ\_s1T1)

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select a.\*, round((b.emp\_curr\_sal\*0.55\*b.emp\_profun\_perc/100),0) as PROVFUN\_COMP

from dwh\_src\_1\_atm\_zone.AZ\_Emp\_Expense a

left join dwh\_src\_1.RZ\_s1T1 b

on a.Emp\_ID=b.Emp\_ID

select \* from dwh\_src\_1\_atm\_zone.AZ\_Emp\_Expense

Select emp\_ID,emp\_curr\_sal,emp\_profun\_perc,(emp\_curr\_sal\*0.55) as BASIC\_SAL,

round((emp\_curr\_sal\*0.55\*emp\_profun\_perc/100),0) as PROVFUN\_COMP

from dwh\_src\_1.rz\_s1t1

select \* from dwh\_src\_1\_atm\_zone.AZ\_Emp\_Expense

alter table dwh\_src\_1\_atm\_zone.AZ\_Emp\_Expense Add EMP\_FIN\_RATE int NULL

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select \* from dwh\_src\_1.rz\_s1t1

---------ATOMIC ZONE-------

-----EMPLOYEE PERSONAL INFO TABLE-------

create table dwh\_src\_1\_atm\_zone.EmpInfo

as

(select Emp\_ID as ID, Emp\_F\_NAME as firstname, Emp\_L\_NAME as lastname,

EMP\_DOB, EMP\_CNIC, EMP\_MARITAL\_ST

from dwh\_src\_1.s1\_t1)

select \* from dwh\_src\_1\_atm\_zone.EmpInfo

-----EMPLOYEE Family INFO 1 TABLE-------

create table dwh\_src\_1\_atm\_zone.Emp\_Mother\_Child\_Info

as

(select Emp\_ID as ID, EMP\_MOTHR\_NAME, EMP\_CHILD

from dwh\_src\_1.s1\_t1)

select \* from dwh\_src\_1\_atm\_zone.Emp\_Mother\_Child\_Info

-----EMPLOYEE DEPARTMENT INFO TABLE-------

create table dwh\_src\_1\_atm\_zone.Emp\_Sales\_Dept\_Info

as

(select Emp\_ID, EMP\_DEPARTMENT, CONCAT(Emp\_F\_NAME, ' ', Emp\_L\_NAME) as Full\_name

from dwh\_src\_1.s1\_t1)

-----EMP\_Profun\_Cap------

create table dwh\_src\_1\_atm\_zone.Emp\_Profun\_Cap

as

(select Emp\_ID,EMP\_PROFUN\_PERC,EMP\_CAP\_COST

from dwh\_src\_1.s1\_t1)

select \* from dwh\_src\_1\_atm\_zone.Emp\_Profun\_Cap

-----EMPLOYEE SALARY INFO TABLE-------

create table dwh\_src\_1\_atm\_zone.Emp\_Sal\_Info

as

(select Emp\_ID, Emp\_LST\_SAL,

EMP\_EXPECTED\_SAL, EMP\_CURR\_SAL, EMP\_SAL\_PER\_HOUR,REC\_UPD\_CURR

from dwh\_src\_1.s1\_t1)

select \* from dwh\_src\_1\_atm\_zone.Emp\_Sal\_Info

-----EMPLOYEE FINANCIE INFO TABLE-------

select \* from dwh\_src\_1.s1\_t1

create table dwh\_src\_1\_atm\_zone.Fin\_Amt

as

( select Emp\_ID,EMP\_FINANCING\_AMT

from dwh\_src\_1.s1\_t1)

create table dwh\_src\_1\_atm\_zone.Fin\_Info

as

(select Emp\_ID, EMP\_FIN\_PRD, EMP\_FIN\_START\_DT, EMP\_FIN\_RATE

from dwh\_src\_1.s1\_t2)

-----EMPLOYEE Family INFO 2 TABLE-------

create table dwh\_src\_1\_atm\_zone.Emp\_Family\_Info

as

(select Emp\_ID,EMP\_FATHR\_NAME,EMP\_NEXT\_KIN

from dwh\_src\_1.s1\_t2)

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-----EMPLOYEE SALAY DISPURSMENT TABLE-------

create table dwh\_src\_1\_atm\_zone.Sal\_Dis

as

(select Emp\_ID, EMP\_SAL\_DIS\_DATE, EMP\_EXTRA\_ALLOWANCE,EMP\_SAL\_DIS\_AMT

from dwh\_src\_1.s1\_t3)

-----EMPLOYEE ATTENDENCE TABLE-------

select \* from dwh\_src\_1.s1\_t4

create table dwh\_src\_1\_atm\_zone.emp\_attendence

as

(select Emp\_ID,EMP\_ATT\_LOGIN\_TME,

EMP\_ATT\_LOGOUT\_TME,EMP\_ATT\_DATE,Duration\_Hrs from dwh\_src\_1.s1\_t4)

-----SALES TABLE-------

select \* from dwh\_src\_2.s2\_t1

select \* from dwh\_src\_2.s2\_t2

-----PRODUCT DISCRIBTION-----

create table dwh\_src\_2\_atm\_zone.Product\_Des

as

(select SALES\_PRD\_CODE as PRD\_CODE,SALES\_PRD\_DESC,PRD\_IMP\_MARKER from dwh\_src\_2.s2\_t2)

-----COST ON PRODUCT-----

create table dwh\_src\_2\_atm\_zone.Product\_Cost

as

(select SALES\_PRD\_CODE as PRD\_CODE,PRD\_COST, PRD\_OPEX\_COST, (PRD\_COST+PRD\_OPEX\_COST) as Total\_Cost from dwh\_src\_2.s2\_t2)

-----SALE OF PRODUCT BY EMPLOYEE-----

create table dwh\_src\_2\_atm\_zone.Sales\_Product\_Emp

as

(select EMP\_ID, SALES\_TRN\_PRD\_CODE, SALES\_TRN\_REF

from dwh\_src\_2.s2\_t1)

----- SALE Details-----

create table dwh\_src\_2\_atm\_zone.Sales\_Details

as

(select SALES\_TRN\_REF, SALES\_TRN\_AMT, SALES\_TRN\_DATE, SALES\_POINT

from dwh\_src\_2.s2\_t1)

------------------DIMENSSION ZONE-------------

select \* from dwh\_src\_1\_atm\_zone.Emp\_Family\_Info a

select \* from dwh\_src\_1\_atm\_zone.Emp\_Mother\_Child\_Info b

--------------COMPLETE INFORMATION FAMILY--------------------

create table dwh\_src\_3\_dim\_zone.Complete\_fam\_info

as

(select a.EMP\_ID, a.EMP\_FATHR\_NAME, b.EMP\_MOTHR\_NAME, b.EMP\_CHILD, a.EMP\_NEXT\_KIN

from dwh\_src\_1\_atm\_zone.Emp\_Family\_Info a

join dwh\_src\_1\_atm\_zone.Emp\_Mother\_Child\_Info b

where a.EMP\_ID = b.ID)

------------------ current Status ----------------------------------

select \* from dwh\_src\_1\_atm\_zone.Emp\_Sales\_Dept\_Info a

select \* from dwh\_src\_1\_atm\_zone.emp\_attendence b

create table dwh\_src\_3\_dim\_zone.emp\_status

as

(select a.Emp\_ID, a.Full\_name, a.EMP\_DEPARTMENT, b.EMP\_ATT\_LOGIN\_TME, b.EMP\_ATT\_LOGOUT\_TME,

b.EMP\_ATT\_DATE, b.Duration\_Hrs

from dwh\_src\_1\_atm\_zone.Emp\_Sales\_Dept\_Info a

join dwh\_src\_1\_atm\_zone.emp\_attendence b

where a.Emp\_ID = b.Emp\_ID)

---------TOTAL PROVSIONAL FUND PER EMP---------

create table dwh\_src\_3\_dim\_zone.Emp\_Salarybreakout

as

(Select emp\_ID, (emp\_curr\_sal\*0.55) as BASIC\_SAL,

round(emp\_curr\_sal - (emp\_curr\_sal\*0.55)) as Expences,

round(emp\_curr\_sal\*0.55\*emp\_profun\_perc/100) as PROVFUN\_EMP,

emp\_curr\_sal from dwh\_src\_1.rz\_s1t1)

create table dwh\_src\_3\_dim\_zone.Emp\_Total\_fund

as

(Select emp\_ID,

round((emp\_curr\_sal\*0.55\*emp\_profun\_perc/100),0) as PROVFUN\_COMPANY,

round(emp\_curr\_sal\*0.55\*emp\_profun\_perc/100) as PROVFUN\_EMP,

round((emp\_curr\_sal\*0.55\*emp\_profun\_perc/100)+(emp\_curr\_sal\*0.55\*emp\_profun\_perc/100)) as PROV\_FUND

from dwh\_src\_1.rz\_s1t1)

select \* from dwh\_src\_2\_atm\_zone.Product\_Des a

select \* from dwh\_src\_2\_atm\_zone.Product\_Cost b

create table dwh\_src\_3\_dim\_zone.PRD\_Imported

as

(Select a.PRD\_CODE, b.PRD\_COST, b.PRD\_OPEX\_COST, b.Total\_Cost, a.PRD\_IMP\_MARKER

from dwh\_src\_2\_atm\_zone.Product\_Des a

join dwh\_src\_2\_atm\_zone.Product\_Cost b

on a.PRD\_CODE = b.PRD\_CODE

where PRD\_IMP\_MARKER = "YES")

create table dwh\_src\_3\_dim\_zone.PRD\_Not\_Imported

as

(Select a.PRD\_CODE, b.PRD\_COST, b.PRD\_OPEX\_COST, b.Total\_Cost, a.PRD\_IMP\_MARKER

from dwh\_src\_2\_atm\_zone.Product\_Des a

join dwh\_src\_2\_atm\_zone.Product\_Cost b

on a.PRD\_CODE = b.PRD\_CODE

where PRD\_IMP\_MARKER = "NO")

Select \* from dwh\_src\_2\_atm\_zone.Sales\_Product\_Emp

Select \* from dwh\_src\_2\_atm\_zone.Sales\_Details

Select distinct(EMP\_ID), Count(SALES\_TRN\_REF) as Total\_Transaction

from dwh\_src\_2\_atm\_zone.Sales\_Product\_Emp

select Emp\_id, SALES\_TRN\_PRD\_CODE,SALES\_TRN\_REF from dwh\_src\_2\_atm\_zone.Sales\_Product\_Emp

count (SALES\_TRN\_REF) distict(Emp\_id)from dwh\_src\_2\_atm\_zone.Sales\_Product\_Emp

select COUNT(DISTINCT(EMP\_ID)) as id from dwh\_src\_2\_atm\_zone.Sales\_Product\_Emp

------6-4-2022--------

----TOTAL SALES PER EMPLOYEE----

select \* from dwh\_src\_2\_atm\_zone.sales\_details

select \* from dwh\_src\_2\_atm\_zone.sales\_product\_emp

create table dwh\_src\_3\_dim\_zone.EMP\_ID\_TRN\_REF\_AMT

as(

SELECT dwh\_src\_2\_atm\_zone.sales\_product\_emp.EMP\_ID,

dwh\_src\_2\_atm\_zone.sales\_product\_emp.SALES\_TRN\_REF,

dwh\_src\_2\_atm\_zone.sales\_details.SALES\_TRN\_AMT

from dwh\_src\_2\_atm\_zone.sales\_details

INNER JOIN dwh\_src\_2\_atm\_zone.sales\_product\_emp

ON dwh\_src\_2\_atm\_zone.sales\_product\_emp.SALES\_TRN\_REF = dwh\_src\_2\_atm\_zone.sales\_details.SALES\_TRN\_REF

)

select \* FROM dwh\_src\_3\_dim\_zone.EMP\_ID\_TRN\_REF\_AMT

create table dwh\_src\_3\_dim\_zone.TOTAL\_SALES\_EMP as

(SELECT EMP\_ID,

SUM(SALES\_TRN\_AMT) as TOTAL\_SALES from dwh\_src\_3\_dim\_zone.EMP\_ID\_TRN\_REF\_AMT group by EMP\_ID

)

create table dwh\_src\_3\_dim\_zone.TOTAL\_SALE\_PER\_EMP

as

(SELECT

DISTINCT( EMP\_ID) as EMP\_ID,

COUNT(SALES\_TRN\_REF) as SALES\_TRN\_REF\_PER\_EMP

FROM dwh\_src\_2\_atm\_zone.sales\_product\_emp group by EMP\_ID

)

SELECT \* FROM dwh\_src\_3\_dim\_zone.TOTAL\_SALE\_PER\_EMP

-----sales per employee according to month--------

create table dwh\_src\_3\_dim\_zone.SALE\_EMP\_ACC\_MONTH

as

(SELECT

dwh\_src\_2\_atm\_zone.sales\_product\_emp.EMP\_ID,

dwh\_src\_2\_atm\_zone.sales\_details. SALES\_TRN\_REF,

dwh\_src\_2\_atm\_zone.sales\_details. SALES\_TRN\_DATE

FROM dwh\_src\_2\_atm\_zone.sales\_product\_emp

INNER JOIN dwh\_src\_2\_atm\_zone.sales\_details

ON dwh\_src\_2\_atm\_zone.sales\_product\_emp.SALES\_TRN\_REF =

dwh\_src\_2\_atm\_zone.sales\_details. SALES\_TRN\_REF

);

SELECT \* FROM dwh\_src\_3\_dim\_zone.SALE\_EMP\_ACC\_MONTH

SELECT EMP\_ID,

------------KIS EMPLOYEE NE konse MAHINE KITNI SALE KI-----------------

SELECT \* FROM dwh\_src\_3\_dim\_zone.TOTAL\_SALE\_PER\_EMP

SELECT \* FROM dwh\_src\_3\_dim\_zone.SALE\_EMP\_ACC\_MONTH

select EMP\_ID,SALES\_TRN\_DATE, MONTH(SALES\_TRN\_DATE)AS MONTH FROM dwh\_src\_3\_dim\_zone.SALE\_EMP\_ACC\_MONTH

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select \* from dwh\_src\_1\_atm\_zone.Emp\_Profun\_Cap

SELECT \* FROM dwh\_src\_3\_dim\_zone.TOTAL\_SALE\_PER\_EMP

SELECT \* FROM dwh\_src\_3\_dim\_zone.TOTAL\_SALES\_EMP

SELECT EMP\_ID, TOTAL\_SALES,

CASE

WHEN TOTAL\_SALES > 80000000 THEN ((TOTAL\_SALES \* 0.10) AS BONUS)

WHEN TOTAL\_SALES > 50000000 THEN ((TOTAL\_SALES \* 0.08) AS BONUS)

ELSE

"NO BONUS"

END CASE

FROM dwh\_src\_3\_dim\_zone.TOTAL\_SALES\_EMP

select \*, round(TOTAL\_SALES \* 0.10) AS BONUS

from dwh\_src\_3\_dim\_zone.TOTAL\_SALES\_EMP

where TOTAL\_SALES > 80000000 or ((TOTAL\_SALES < 80000000 and TOTAL\_SALES >50000000 ) \* 0.01 )

SELECT EMP\_ID, TOTAL\_SALES IF (TOTAL\_SALES > 80000000,)

show variables where variable\_name = 'version';

Select emp\_ID, (emp\_curr\_sal\*0.55) as BASIC\_SAL,

round((emp\_curr\_sal\*0.55\*emp\_profun\_perc/100),0) as PROVFUN\_COMPANY,

round(emp\_curr\_sal\*0.55\*emp\_profun\_perc/100) as PROVFUN\_EMP,

round((emp\_curr\_sal\*0.55\*emp\_profun\_perc/100)+(emp\_curr\_sal\*0.55\*emp\_profun\_perc/100)) as PROV\_FUND,

round(emp\_curr\_sal - (emp\_curr\_sal\*0.55)) as Expences,

emp\_curr\_sal from dwh\_src\_1.rz\_s1t1

SELECT \* FROM dwh\_src\_3\_dim\_zone.TOTAL\_SALES\_EMP

S1\_T1

as

select Emp\_ID,

AVG(EMP\_SAL\_PER\_HOUR)from dwh\_src\_1.s1\_t1

group by Emp\_ID