

2) FILTER TRANSFORMATION

Filter transformation can be used to filter rows in a mapping that meet the condition.

Ex: Load only selected data from source to target.

EX-1 To know all the employees who are working in DEPTNO 10.

S: EMP

T: Emp-Dim

ENO	NAME	SAL	DNO		ENO	NAME	SAL	DNO
1	Mounika	50000	10		1	Mounika	50000	10
2	Rina	40000	20		2	Divya	10000	10
3	Divya	10000	10	ETL →	3	Disha	15000	10
4	Disha	15000	10					
5	Kshama	25000	20					

1) column count should be same.

S: select count (ENO) from oltp-source.emp  
where DNO = 10 ; — 3

T: select count (ENO) from Emp-Dim; — 3

2 Target table should not contain data from department other than 10

T: select \* from Emp-dim where DNO <> 10 ; — 0

3 should not contain Null value in Target table.

T: select \* from Emp-dim where DNO is Null ;

4 Target table should not contain duplicate rows.

T: select ENO, count (ENO) from Emp-dim

: group by (ENO) having count (ENO) > 1 ;

## 5) Column mapping

T : Select empno, ename, deptno. from OLTP\_SOURCE  
EMP where deptno = 10

Minus

Select empno, ename, deptno. from emp-dim ;

HW

~~Alt - select the 'session' from workflow monitor,  
right click select on it there display one pop up window  
then click on Get session log~~

Find out the products which false the rate  
category bet<sup>2</sup> 500 and 1000 ;

S : PRODUCT

T : PRODUCT-DIM

PID	PNAME	PRICE		PID	PNAME	PRICE
101	Head phone	150		105	Watch	1000
102	Mobile	10000		107	perfume	500
105	Watch	1000 ✓		104	speakers	600
107	Perfume	500 ✓		108	Bluetooth	800
108	Bluetooth	800 ✓				
103	TV remote	120				
104	Speakers	600 ✓				

106

1) Column count should be same.

S : Select count (PID) from oltp-source.emp  
where price between 500 AND 1000 ; -- 4

T : Select count (PID) from product-dim ; -- 4

PTO-

- 2) Target table should not contain price  $< 500$  and  $> 1000$ ;

~~T: select \* from emp where price~~

T: select \* from product\_dim where price  $< 500$   
and price  $> 1000$ ; -- 0

- 3) Verifying for null values in a target table

T: Select \* from product\_dim where price is  
null; -- 0

- 4) Target table should not contain duplicate.

T: select PID, count (PID) from product\_dim  
group by PID having count (PID)  $> 1$ ; -- 0

- 5) Column mapping.

~~T: select PID, Pname, price from OLTP\_source.~~  
product where price between 500 and 1000;

MINUS

select PID, Pname, price from product\_dim; -- 0