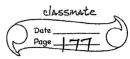# ACTIVE TRANSFORMATION

An Active transformation can change the number of rows that pass through it from source to target. It eliminates rows that do not meet the condition in transformation.

Ex: Filter transformation passes the rows from the source to target that which meet the filter condition.

→ Active transformations are

1 Source qualifier Transformation
2 Aggregator Transformation
3 Filter Transformation
4 Joiner Transformation
5 Router Transformation

PASSIVE TRANSFORMATION

Passive transformation does not change the number of rows that pass through it i.e it passes all rows through the transformation

Ex: An expression transformation that perform the calculation on the data and passes all the rows through the transformation from source to target.

→ Passive transformation list

1 Expression transformation
2 Sequence Generate Transformation

→ JOB DEPENDENCY TESTING

OR

MAPPING DEPENDENCY TESTING

S : EMP   T : EMP_BONUS

ENO	ENAME	SAL		ENO	BONUS
1	Kushal	10000		1	1000
2	Prakash.	20000		2	2000

OLTP

T_1 : EMP_DIM T_2 : EMP_BONUS_DIM

ENO	ENAME	SAL		ENO	BONUS
1	Kushal	10000		1	1000
2	Prakash.	20000		2	2000

DWH

T_3 : EMPLOYEE_FACT

ENO	ENAME	TOT-SAL		J-1 should be
1	Kushal	10000	→	11000
2	Prakash	20000	→	22000

Here may be Emp_Bonus_Dim is failed thats
why T_3 is showing wrong so+ summary.

W_EMPLOYEE

  — m_emp

  — m_BONUS

  — m_Employee_F

→ If any one of mapping fails it will show the workflow status is field.

→ If all the mapping succeded then it will show the workflow status is succeded.

→ Mapping document mainly designed in Excel.

→ Mapping document

Workflow Name	Mapping Name	Dependency mapping Name
w_Employee	m_Emp	—
w_Employee	m_Bonus	m_Emp
w_Employee	m_Employee_F	m_Emp m_Bonus