**­  LIT TRAINING**

**DAILY ASSIGNMENT SUBMISSIONS**

**DAY - 15**

**EMP ID : 46255263**

**EMP NAME : JYOTSNA SHREE RAIVADA**

**1.Create a Simple program to fetch data and display ALV using Std. SAP class-methods.**

Created a Custom program using ECLIPSE. Selected data from table SNWD\_PD.

There should be only 1 select statement used to achieve this using In-line Declaration, CASE, Aggregate, HAVING and GROUP BY clauses as needed.

REPORT y\_day15\_alv\_q1.

TABLES:SNWD\_PD.

SELECT-OPTIONS CATEGORY FOR SNWD\_PD-CATEGORY.

DATA: it\_fieldcat TYPE slis\_t\_fieldcat\_alv,

wa\_fieldcat TYPE slis\_fieldcat\_alv.

SELECT CATEGORY,

MAX( PRICE ) AS MAX\_PRICE,

AVG( PRICE ) AS AVG\_PRICE,

CASE

WHEN length( category ) < 5 then 'LOW LENGTH'

WHEN length( category ) > 5 then 'LOW LENGTH'

END as group

FROM SNWD\_PD AS A GROUP BY CATEGORY having length( category ) > 4 INTO TABLE @DATA(IT\_DISP).

wa\_fieldcat-fieldname = 'CATEGORY'.

wa\_fieldcat-seltext\_m = 'CATEGORY'.

APPEND wa\_fieldcat TO it\_fieldcat.

wa\_fieldcat-fieldname = 'MAX\_PRICE'.

wa\_fieldcat-seltext\_m = 'MAX\_PRICE'.

APPEND wa\_fieldcat TO it\_fieldcat.

wa\_fieldcat-fieldname = 'AVERAGE\_PRICE'.

wa\_fieldcat-seltext\_m = 'AVERAGE\_PRICE'.

APPEND wa\_fieldcat TO it\_fieldcat.

CALL FUNCTION 'REUSE\_ALV\_GRID\_DISPLAY'

EXPORTING

it\_fieldcat = it\_fieldcat

TABLES

t\_outtab = IT\_DISP

EXCEPTIONS

program\_error = 1

OTHERS = 2.

Graphical user interface, application

Description automatically generated

**Selection screen can contain CATEGORY**

**The output should consist three columns – Category, Max price and Average price.**

Graphical user interface

Description automatically generated with low confidence

**2.ALV with IDA**

REPORT y\_alv\_ida\_cds.

TABLES : VBAK,VBAP.

SELECT-OPTIONS : MAT\_NUM FOR VBAP-MATNR.

DATA o\_alv TYPE REF TO if\_salv\_gui\_table\_ida.

"CDS VIEW CONSUMPTION.

cl\_salv\_gui\_table\_ida=>create\_for\_cds\_view(

EXPORTING

iv\_cds\_view\_name = 'Y\_CDS\_VIEW\_DAY15'

RECEIVING

ro\_alv\_gui\_table\_ida = o\_alv ).

DATA(o\_range\_tab\_coll) = NEW cl\_salv\_range\_tab\_collector( ).

o\_range\_tab\_coll->add\_ranges\_for\_name(

EXPORTING

iv\_name = 'MATNR'

it\_ranges = MAT\_NUM[] ).

o\_range\_tab\_coll->get\_collected\_ranges(

IMPORTING

et\_named\_ranges = DATA(it\_matnr) ).

o\_alv->set\_select\_options(

EXPORTING

it\_ranges = it\_matnr ).

DATA o\_full\_screen TYPE REF TO if\_salv\_gui\_fullscreen\_ida.

DATA O\_REF TYPE REF TO if\_salv\_gui\_field\_catalog\_ida.

O\_REF = o\_alv->field\_catalog( ).

O\_REF->disable\_sort( iv\_field\_name = 'MATNR' ).

O\_REF->set\_field\_header\_texts(

EXPORTING

iv\_field\_name = 'VBELN'

iv\_header\_text = 'SORDER' ).

O\_REF->set\_field\_header\_texts(

EXPORTING

iv\_field\_name = 'VKORG'

iv\_header\_text = 'SORGANIZATION' ).

O\_REF->set\_field\_header\_texts(

EXPORTING

iv\_field\_name = 'ZMENG'

iv\_header\_text = 'TOTALQUANTITY'

).

o\_full\_screen = o\_alv->fullscreen( ).

DATA(o\_disp) = o\_alv->display\_options( ).

"Set Title as ALV REPORT WITH IDA, CDS CONSUMPTION AND ZEBRA PATTERN IS ALSO ENABLED, ALTERNATE ROW SELECTION.

o\_disp->enable\_alternating\_row\_pattern( ).

o\_disp->set\_title( iv\_title = 'ALV report with IDA, CDS consumption' ).

o\_full\_screen->display( ).

**Graphical user interface, application

Description automatically generated**

**Table

Description automatically generated**