**Report types of declaration (11-11-2021)**

Report is a program where the user will provide a value for input and its

corresponding output is displayed.

**ABAP**

1) Classical reports

Classical reports

These are the reports where the input is provided in the selection screen and its

corresponding output is displayed.

1) Events === event is an action that is performed.

1) LOAD\_OF\_PROGRAM ---- This is the event that is executed in the background.

2) INITIALIZATION ---- variables initialization is used for assigning the values in the program.

3) AT SELECTION-SCREEN

At selection screen is used for validating the user input in the selection screen.

if Sy-subrc = 0.."true or sy-subrc <> 0."false

Message 'Enter Correct Customer No' type 'E'.

endif.

Messages ---

I - information

W - Warning

S - Status

A - Abben'd

X - Run time (Dump Analysis --- Exception)

E - Error message

4) START-OF-SELECTION

Start-of-selection will process the data by leaving the selection screen

and process the data (getting the data from the tables).

5) END-OF-SELECTION

Once the data is retrieved from the database, display the output

6) TOP-OF-PAGE

Top of page will trigger when the column headings are to be provided.

7) END-OF-PAGE

End-of-page will trigger for displaying the details in the footer.

**1) Types declaration**

Types: Begin of ty\_Vbak,

vbeln type vbak-vbeln,"Sales orderno

vkorg type vbak-vkorg,"sales organization

vkgrp type vbak-vkgrp,"sales group

vkbur type vbak-vkbur,"sales office

kunnr type vbak-kunnr,"customer no--sold to party

erdat type vbak-erdat,"created on

ernam type vbak-ernam,"created by

netwr type vbak-netwr,"net value

End of ty\_Vbak.

2) Data declaration

Data:Lt\_Vbak type STANDARD TABLE OF ty\_Vbak,"Body

Ls\_Vbak type ty\_Vbak."workarea

3) selection screen for user input

SELECTION-SCREEN Begin of Block B1 WITH FRAME title text-000.

to provide a range of values

select-options:s\_Vbeln for ls\_Vbak-vbeln.

SELECTION-SCREEN end of block B1.

2) and 3) -- declaration section processing part of the program.

4) initialization --- default values assigned to the variables in the program.

INITIALIZATION. "Remove the unwanted memory assigned --variables.

Clear ls\_vbak."clears the contents of the work area.

refresh lt\_Vbak."body

5) at selection -screen for validating the user input in the

selection screen.

At SELECTION-SCREEN. The select statement below is checking for the field with the value in the table

Select Vbeln

from vbak

into table Lt\_Vbak

where vbeln in s\_Vbeln.

if the statement --- true --- subrc = 0. --- false--sy-subrc <> 0---false.

If Sy-subrc <> 0."false.

Message 'Enter Correct Sales Document No' type 'E'."error message

Endif.

6) Start-of-selection for retreiving the data from the table

START-OF-SELECTION.

select vbeln

vkorg

vkgrp

vkbur

kunnr

erdat

ernam

netwr from vbak into table Lt\_vbak

where vbeln in s\_Vbeln.

7) End-of-selection for displaying the data in the output.

END-of-selection .

Loop at Lt\_Vbak into ls\_Vbak.

Write:/ ls\_Vbak-vbeln color 3,

12 ls\_Vbak-vkorg color 4,

22 ls\_Vbak-vkgrp color 4,

32 ls\_Vbak-vkbur color 4,

42 ls\_Vbak-kunnr color 4,

54 ls\_Vbak-erdat color 4,

66 ls\_Vbak-ernam color 4,

90 ls\_Vbak-netwr color 4 RIGHT-JUSTIFIED.

endloop.

8) Top-of-page is used for providing the column headings in the output.

TOP-OF-PAGE.

Format color 3.

Write:/ 'OrderNo',

12 'SOrgn',

22 'SGroup',

32 'SOffice',

42 'CustomerNo',

54 'CreatedOn',

66 'UserName',

90 'NetValue'.

uline.

9) End-of-page for displaying the footer details .

End-of-page.

format color 3.

Uline.

Write:/70 'Page No:',Sy-Pagno color 5.

Uline.

2) Interactive reports

3) ALV Reports(ABAP List Viewer)

4) Drill down reports