

1.What is two types of report?

Classical report, Interactive report.

2.What are the difference between classical and interactive report?

In classic reports, we can see the output in single list where as in interactive reports we can see the output in multiple lists.

3.What is classical report?

These are the simplest reports. It is just an output of data using the write statement inside a loop. These reports are not having any sub reports. It is having only one screen/list for output.

4.What is meant by the ALV report?

ALV - ABAP list viewer, ALV gives us a standard List format and user interface to all our ABAP reports. ALV is created by a set of standard function modules provided by SAP.

5.What is the advantage of an ALV report?

Sorting of records, Filtering of records, Totals and Sub-totals, Download the report output to Excel/HTML, Changing the order of the columns in the report, Hide the unwanted columns from the report, Join multiple tables according to the requirement.

6.What Is the Field catalog in SAP ALV?

Field catalog is used to pass a list of fields to display in ALV report, we can set different properties to fields that will be display in ALV output. First Declare an internal table of type **SLIS_T_FIELDCAT_ALV**.

FM: **REUSE_ALV_FIELDATALOG_MERGE**.

7.What Is SLIS in ALV and Standard Type Tables of It?

SLIS is the type library for the ALV grid.

SLIS_LAYOUT_ALV -

SLIS_T_FIELDCAT_ALV -

SLIS_T_LISTHEADER -

SLIS_T_EVENT -

SLIS_SELFIELD -

8.What Is the Events Table In ALV?

A list of possible events is populated into an event table when this table is passed from the function module `REUSE_ALV_EVENT_NAMES_GET`. The return table from this function module contains all the possible events.

9.What Is Sort Internal Table Options In ALV? SLIS_T_SORTINFO_ALV

10.How to make use of the 'EDIT', and 'SAVE' options in ALV?

EDIT field is used to edit data at the output screen. This is declared in Field cat Level only for ex: EDIT = 'X'.

11. If I implemented 'HOTSPOT' in ALV, then how to write its code. So that after clicking on say for ex.'MATNR', the further list should get displayed.

A hotspot is used for a single click at the Basic list. It shows the Hand symbol; it is also Declared in Fieldcat level Hotspot = 'X'.

12. How do you create an Interactive ALV Report?

We have to pass the USER_COMMAND export parameter by creating Subroutine User_command.

```
CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
EXPORTING
    I_CALLBACK_PROGRAM      = SY-REPID
    I_CALLBACK_USER_COMMAND = 'USER_COMMAND'
```

13. How many types of ALV reports?

ALV Types

1. List/Grid ALV

REUSE_ALV_GRID_DISPLAY

REUSE_ALV_LIST_DISPLAY

2. Block List ALV

REUSE_ALV_BLOCK_LIST_INIT is used to initialize blocked list ALV.

REUSE_ALV_BLOCK_LIST_APPEND is used to add blocked list ALV (we can add multiple).

REUSE_ALV_BLOCK_LIST_DISPLAY is used to display blocked list ALV.

3. Hierarchical Sequential

Key information for the header and item table.

```
KEY-HEADER01 = 'TABNAME'.
KEY-ITEM01   = 'TABNAME'.
```

14. User actions on ALV

```

FORM USER_COMMAND USING R_UCOMM TYPE SY-UCOMM RS_SELFIELD TYPE SLIS_SELFIELD.

CASE R_UCOMM.

    *USER CLICKS A TRANSACTION CODE AND THAT TCODE IS CALLED FROM ALV

WHEN '&IC1'.

    READ TABLE IT_TSTC INDEX RS_SELFIELD-TABINDEX INTO WA_TSTC.

ENDFORM.

```

15. How do you upload the Logo for ALV?

USING **REUSE_ALV_COMMENTARY_WRITE** function module.

You can import a customer-specific logo and a background picture into the R/3 System. These will be displayed in the header area of reports in HR Funds and Position Management.

From the SPRO

1. Goto the transaction **OAER**
2. Enter the class name as 'PICTURES'
3. Enter the class type as 'OT'
4. Enter the object key as the name of the logo you wish to give
5. Execute
6. Then in the new screen select Standard Doc. Types in the bottom window

Click on the Screen icon

Now, it will ask for the file path where you have to upload the logo

16. Now you can use this logo in **REUSE_ALV_COMMENTARY_WRITE**

17. Can we add new records to the already displayed ALV list.

Add new records to the Internal table.

```
RS_SELFIELD-REFRESH = 'X'.
```

18. What is the function module we are using in ALV report?

REUSE_ALV_LIST_DISPLAY

REUSE_ALV_GRID_DISPLAY

19. What is the difference between REUSE_ALV_GRID_DISPLAY and REUSE_ALV_LIST_DISPLAY?

REUSE_ALV_LIST_DISPLAY

1. TOP_OF_PAGE – not possible
2. ALV list can be displayed hieratically
2. We can display only the normal list is not user-friendly.
3. Display only – edit table not possible

REUSE_ALV_GRID_DISPLAY

1. TOP_OF_PAGE – is possible
2. ALV grid cannot be displayed hieratically
3. We can calculate the grand total, subtotals,
4. Edit table for entry purposes

20. How we can construct an ALV report with a specified column without using field catalog?

Create a global structure using SE11

```
I_STRUCTURE_NAME = 'Z05_04_2022_S'
```

21. What is the type of group used in the ALV report?

SLIS type-pools SLIS.

22. What are the things available in SLIS_T_FIELDCAT_ALV?

1. ROW_POS
2. COL_POS
3. FIELD NAME
4. TAB NAME
5. CURRENCY (5)
6. CFIELDNAME
7. CTABNAME
8. ROUND
9. KEY (1)
10. CHECKBOX(1)
11. JUST(1)
12. LZERO(1)
13. NO_SIGN (1)
14. NO_ZERO (1)
15. EDIT_MASK
16. EMPHASIZE(4)
17. DO_SUM (1)
18. NO_OUT (1)
19. OUTPUT LENGTH
20. SELTEXT_L
21. SELTEXT_M
22. SELTEXT_S
23. LOWERCASE

23. How to align or format ALV report?

```
DATA LAY_LO TYPE SLIS_LAYOUT_ALV.  
  
LAY_LO-COLWIDTH_OPTIMIZE = 'X'.  
  
IS_LAYOUT                = LAY_LO
```

24. How to leave the ALV report with confirmation?

```
DATA LAY_LO TYPE SLIS_LAYOUT_ALV.  
  
LAY_LO-COLWIDTH_OPTIMIZE   = 'X'.  
LAY_LO-CONFIRMATION_PROMPT = 'X'.  
  
IS_LAYOUT                = LAY_LO
```

25. How to fix the field unscrollable?

To fix the field

```
LS_FIELDCAT-KEY = 'X'.
```

26. How to avoid prefix zero in ALV?

```
LS_FIELDCAT-NO_ZERO = 'X'.
```

27. How to hide specified columns?

```
LS_FIELDCAT-NO_OUT = 'X'.
```

28. How to justify and align columns?

```
LS_FIELDCAT-JUST = 'L'.
```

```
LS_FIELDCAT-JUST = 'R'.
```

29. How to specify the column heading?

Using SEL_TEXT

```
LS_FIELDCAT-SELTEXT_S = 'MATERIAL'.
```

30. How to call the data element field label as column heading?

```
LS_FIELDCAT-REF_FIELDNAME = 'MTART'.
```

```
LS_FIELDCAT-REF_TABNAME = 'MARA'.
```

31. How to put the heading in the ALV report?

```
FORM TOP_OF_PAGE.  
  DATA: LT_HEADER TYPE SLIS_T_LISTHEADER,  
         LS_HEADER TYPE SLIS_LISTHEADER.  
  
  LS_HEADER-TYPE      = 'H'.  
  LS_HEADER-INFO      = 'SRIVAIBAVAA_CONSULTANCY'.  
  APPEND LS_HEADER TO LT_HEADER.  
  CLEAR LS_HEADER.  
  
  CALL FUNCTION 'REUSE_ALV_COMMENTARY_WRITE'  
    EXPORTING  
      IT_LIST_COMMENTARY = LT_HEADER  
  *    I_LOGO              =  
  *    I_END_OF_LIST_GRID =  
  *    I_ALV_FORM          =.  
  
ENDFORM.                "TOP_OF_PAGE
```

32. What is the function module name used to display the heading in ALV?

REUSE_ALV_COMMENTARY_WRITE

33. Want to call subroutine what is the prestep?

You have to pass the program name as an argument

```
I_CALLBACK_PROGRAM          = SY-REPID
```

34. When the TOP_OF_PAGE event will be triggered?

At least, one **WRITE** or **SKIP** statement

35. What is the function module name to trigger events?

Using function module name: **REUSE_ALV_EVENTS_GET**

```
DATA: LT_EVENT TYPE SLIS_T_EVENT,
      LS_EVENT TYPE SLIS_ALV_EVENT.

START-OF-SELECTION.
CALL FUNCTION 'REUSE_ALV_EVENTS_GET'
  EXPORTING
    I_LIST_TYPE          = 0
  IMPORTING
    ET_EVENTS            = LT_EVENT
  * EXCEPTIONS
  *   LIST_TYPE_WRONG    = 1
  *   OTHERS              = 2
  .
IF SY-SUBRC <> 0.
* IMPLEMENT SUIABLE ERROR HANDLING HERE
ENDIF.
READ TABLE LT_EVENT INTO LS_EVENT WITH KEY NAME = SLIS_EV_TOP_OF_PAGE.
IF SY-SUBRC EQ 0.
  LS_EVENT-FORM          = 'TOP_OF_PAGE'.
  MODIFY LT_EVENT FROM LS_EVENT INDEX SY-TABIX TRANSPORTING FORM.
ENDIF.
```

36. What are the things available in SLIS_T_EVENT?


```

TYPES: BEGIN OF SLIS_ALV_EVENT,
        NAME(30),    " NAME OF THE EVENT
        FORM(30),    " SUBROUTINE NAME
        END OF SLIS_ALV_EVENT.

```

37. How to calculate subtotal and grand total?

Sort record & Subtotal

```

FORM SORT.
    Ls_sort-FIELDNAME = 'EBELN'.
    Ls_sort-UP         = 'X'.
    Ls_sort-SUBTOT     = 'X'.
    APPEND LS_SORT TO LT_SORT.
    CLEAR LS_SORT.
ENDFORM.

```

Grandtotal

```

COL_POS                = COL_POS + 1.
LS_FCAT-FIELDNAME      = 'NETPR'.
LS_FCAT-DO_SUM         = 'X'.
LS_FCAT-REF_FIELDNAME  = 'NETPR'.
LS_FCAT-CFIELDNAME     = 'WAERS'.
LS_FCAT-REF_TABNAME    = 'EKPO'.
LS_FCAT-TABNAME        = 'LT_FINAL'.
APPEND LS_FCAT TO LT_FCAT.
CLEAR LS_FCAT.

```

38. How to calculate subtotal categories-wise?

```

LS_FCAT-CFIELDNAME = 'WAERS'.
LS_FCAT-QFIELDNAME = 'MEINS'.

```

39. What is meant by CL_DD_DOCUMENT or how to change or specify the logo position?

Class name : CL_DD_DOCUMENT

Add_text

Add_gap

Add_picture

Add_link

40. How do you define default variant for ALV?

The user can programmatically set the initial (default) variant for list display.

The default variant can be found using the function module

REUSE_ALV_VARIANT_DEFAULT_GET.

41. What is meant by the BLOCK ALV report?

REUSE_ALV_BLOCK_LIST_INIT

REUSE_ALV_BLOCK_LIST_APPEND

REUSE_ALV_BLOCK_LIST_DISPLAY

42. What is meant by variants in ALV?

The layout gives more flexibility to customers for adjusting the report to meet various requirements.

REUSE_ALV_VARIANT_DEFAULT_GET

REUSE_ALV_VARIANT_F4

LVC_VARIANT_EXISTENCE_CHECK

REUSE_ALV_VARIANT_DEFAULT_GET

43. Hierarchical ALV reports

Displaying the data in the form of hierarchy i.e. Parent-to-Child Relation is called Hierarchical ALV Report.

REUSE_ALV_HIERSEQ_LIST_DISPLAY

```
GS_KEY TYPE SLIS_KEYINFO_ALV
```

```
GS_KEY-HEADER01 = 'EBELN'.      " PURCHASE ORDER NUMBER
```

```
GS_KEY-ITEM01   = 'EBELN'.      " IS THE KEY FOR THE
```

```
HEADER & ITEM TABLE
```

44. How to display the ALV report in ZEBRA or strip line format?

```
WA_LAYOUT-ZEBRA
```

45. Check box in ALV report?

1. Layout

```
Lay_lo-box_fieldname = 'MARK'.
```

```
Lay_lo-edit          = 'X'.
```

2. Field

```
Field catalog-checkbox = 'X'.
```

46. What are the events in ALV?

USER_COMMAND
TOP_OF_PAGE
PF_STATUS_SET
TOP_OF_LIST
END_OF_LIST
END_OF_PAGEr GRID
LIST_MODIFY
AFTER_LINE_OUPUT
BEFORE_LINE_OUTPUT
REPER_SEL_MODIFY
SUBTOTAL_TEXT
GROUPELEVEL_CHANGE
CALLER_EXIT
FOREIGN_TOP_OF_PAGE
FOREIGN_END_OF_PAGE
TOP_OF_COVERPAGE
END_OF_COVERPAGE.