

STEP 1 : Type STRSDA command

SDA stands for Screen Designing Aid – utility that helps us to create screens

```
Parameters or command  
==> strsda
```

STEP 2 : Select option 1

```
Select one of the following:  
  
1. Design screens  
2. Design menus  
3. Test display files
```

STEP 3 : Give member name

```
Design Screens  
Type choices, press Enter.  
  
Source file . . . . . QDDSSRC      Name, F4 for list  
Library . . . . . GOPZLIB      Name, *LIBL, *CURLIB  
Member . . . . . ORDERSCN      Name, F4 for list
```

STEP 4 : Give option 1 to add records.

```
Work with Display Records  
  
File . . . . . : QDDSSRC      Member . . .  
Library . . . . : GOPZLIB      Source type  
  
Type options, press Enter.  
1=Add          2=Edit comments      3=Copy  
7=Rename       8=Select keywords    12=Design im  
  
Opt  Order    Record      Type      Related Subfile  
1  
  
(No records in file)
```

STEP 5 : Give record name, type as SFL and also give control record name

```
Add New Record  
  
File . . . . . : QDDSSRC      Member . . . . . : ORDERSCN  
Library . . . . : GOPZLIB      Source type . . . . : DSPF  
  
Type choices, press Enter.  
  
New record . . . . . ORDERSF1      Name  
  
Type . . . . . SFL      RECORD, USRDFN  
                        SFL, SFLMSG  
                        WINDOW, WDWSFL  
                        PULDOWN, PDNSFL  
                        MNUBAR  
Subfile control record . . . . . ORDERCTL      Name
```

STEP 6 : No need to select any subfile keyword → ENTER

In select subfile control keywords, give everything Y and ENTER

Define general keywords → SFLDSP, SFLDSPCTL, SFLCLR, & SFLEND with indicators 91,92,93, and 94 respectively → ENTER

```

Select Subfile Keywords

Subfile record . . . . . :  ORDERSFL

Type choices, press Enter

General keywords . . . . . Y=Yes
Indicator keywords . . . . . _

TEXT keyword . . . . .

```

```

Select Subfile Control Keywords

Subfile control record . . . . . :  ORDERCTL

Type choices, press Enter.

General keywords . . . . . Y=Yes
Subfile display layout . . . . . Y
Subfile messages . . . . . Y

Select record keywords . . . . . Y

TEXT keyword . . . . .

```

```

Define General Keywords

Subfile control record . . . . . :  ORDERCTL

Type choices, press Enter.

Related subfile record . . . . . SFLCTL  ORDERSFL  Name
Subfile cursor relative record . . . SFLCSRRRN  Name
Subfile mode . . . . . SFLMODE  Name

Display subfile records . . . . . SFLDSP      Y=Yes  Indicators/+
Display control record . . . . . SFLDSPCTL  Y      91
Initialize subfile fields . . . . . SFLINZ      _      92
Delete subfile area . . . . . SFLDLT      _
Clear subfile records . . . . . SFLCLR      93
Indicate more records . . . . . SFLEND      94
SFLEND parameter . . . . . *MORE      Y
SFLEND parameter . . . . . *SCRBAR      _
Record not active . . . . . SFLRNA      _

```

STEP 7 : Define display layout →ENTER→ENTER

```

Define Display Layout

Subfile control record . . . . . :  ORDERCTL

Type values, press Enter.

Records in subfile . . . . . Keyword Number
Program-to-system field . . . . . SFLSIZ  9999

Records per display . . . . . SFLPAG   5

Spaces between records . . . . . SFLLIN

```

STEP 8 : Select record keywords. Give Y for indicator keywords and overlay keywords→ENTER

```

Select Record Keywords

Record . . . : ORDERCTL

Type choices, press Enter.

                                     Y=Yes
General keywords . . . . . Y
Indicator keywords . . . . . Y
Application help . . . . . —
Help keywords . . . . . —
Output keywords . . . . . —
Input keywords . . . . . Y
Overlay keywords . . . . . Y

Print keywords . . . . .   
ALTNAME keyword . . . . .           
TEXT keyword . . . . .           
  
```

STEP 9 : Define the indicator keywords . Here, CA03 is used for EXIT and CA07 for generating reports in workspace → enter

```

Define Indicator Keywords

Record . . . : ORDERCTL

Type keywords and parameters, press Enter.
  Conditioned keywords: CFnn CAnn CLEAR PAGEDO
                        HOME HELP HLPRTN
  Unconditioned keywords: INDTXT VLDCMDKEY SETOF

Keyword   Indicators/+  Resp  Text
CA03      _____  03     _____
CA07      _____  07     _____
  
```

STEP 10 : Select overlay keywords as Y → ENTER → ENTER→ ENTER

```

Select Overlay Keywords

Record . . . : ORDERCTL

Type choices, press Enter.

                                     Keyword   Y=Yes   Indicators/+   Re
Overlay without erasing . . . . . OVERLAY   Y               
Retain data on re-display . . . . . PUTRETAIN —               
Protect all input fields . . . . . PROTECT   —               
  
```

STEP 11 : Add new record as FOOTER

```

Type Options, press Enter
  1=Add      2=Ed
  7=Rename   8=Se

Opt  Order  Record
1   10    FOOTER
     20    ORDERSFL
           ORDERCTL
  
```

STEP 12 : Design the FOOTER pg as follows :

Give name to fields by placing ? before the field.

To cut and paste a content give '-' at both the ends and then give = at the destination

To change attributes give * before the content

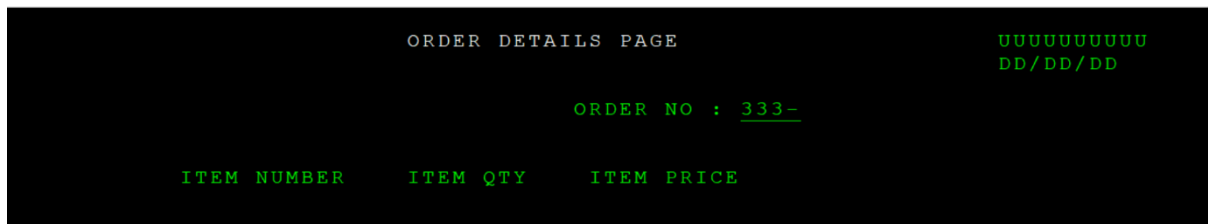
```

'TOTAL PRICE'   
  
```

```
:+6(10,2)
```

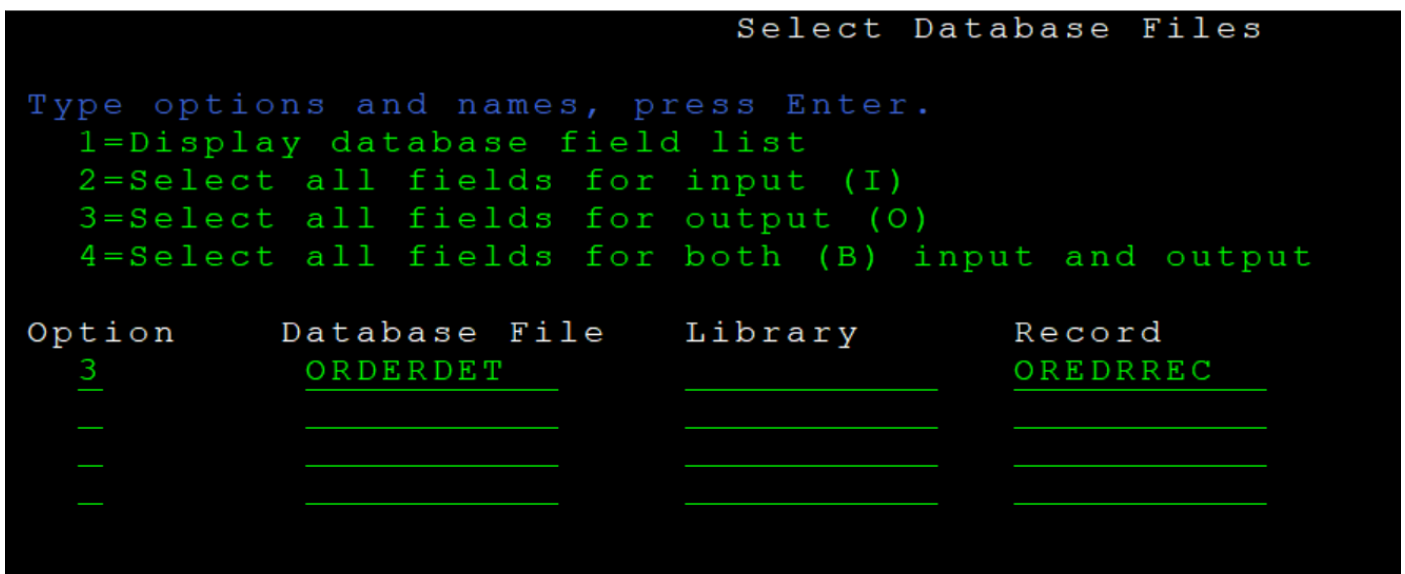


STEP 13 : Design the control part which will be static always



STEP 14 : Design the subfile part which is dynamic

If you want to get the fields from database files you can just click F10 and then select the required option and give the file and record name as follows. Then specify the correct number along with & to populate the fields



```

ORDER NO

ITEM NUMBER      ITEM QTY      ITEM PRI
&2
1:ORDERNO 2:ITEMNO 3:ITEMQTY 4:ITEMPRICE

```

```

ORDER DETAILS PAGE
UUUUUUUU
DD/DD/DD

ORDER NO : 333-

ITEM NUMBER      ITEM QTY      ITEM PRICE
666      666666666666      666666666666
666      666666666666      666666666666
666      666666666666      666666666666
666      666666666666      666666666666
666      666666666666      666666666666

```

STEP 15 : Save the screen. Give blanks at submit create job in batch to know that your screen is created then and there. Else we need to go to wrksplf

```

Save DDS - Create Display File
Type choices, press Enter.

Save DDS source . . . . . Y      Y=Yes
Source file . . . . . QDDSSRC   F4 for list
Library . . . . . GOPZLIB      Name, *LIBL ...
Member . . . . . ORDERSCN     F4 for list
Text . . . . .

Create display file . . . . . Y      Y=Yes
Prompt for parameters . . . . . Y=Yes
Display file . . . . . ORDERSCN   F4 for list
Library . . . . . GOPZLIB      Name, *CURLIB
Replace existing file . . . . . _   Y=Yes

Submit create job in batch . . . . . _   Y=Yes

Specify additional
save or create options . . . . . _   Y=Yes

```

STEP 16 : Use STRRLU command to create reports. RLU(report layout utility)

```

Parameters or command
==> STRRLU
F2 Edit F4 Print

```

```

                                Start Report Layout Utility (STRRLU)

Type choices, press Enter.

Source file . . . . . QDDSSRC      Name, *PRV
Library . . . . . GOPZLIB      Name, *LIBL, *CURLI
Source member . . . . . ORDERRPT    Name, *PRV
Option . . . . . 2            2, 6
Page width . . . . . *SAME      1-378, *SAME
Text 'description' . . . . . REPORT FOR ORDERS

```

STEP 17 : Type I and the ENTER to go to next line. Type DR (define record) at the starting of line to create new record. Then type VF(view field) to create new field. To rename records SHIFT + F6 and then F10.

To define fields F11. To get fields from database F10.

For page field if you define the field as page itself the sys will automatically detect it as current date and display the same.

To align ..place cursor.. f13 mark data...place cursor at dest position - f15 move marked data

To delete entire record format -- D

To change length -- reduce or add dots(.) → ENTER

```

Columns . . . . : 1 121                      Design Report
RLU==>
BASE   ...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8
----- Start of Page 001 -----
DR''''''
----- End of Report -----

```

```

VF D001
-----

```

```

                                Input Record Keywords

Record format . . . . : RCD001

Type options and keywords, press Enter.
 1=Add  2=Specify with prompting  4=Remove

Opt  Keyword      Parameters      -Indicators--
-----
(No keywords specified.)

F3=Exit  F5=Refresh  F9=Work with keywords  F10=Rename record  F12=Cancel

```

```

                                Rename Record Format

Number of keywords . . . . . :    0

Type choice, press Enter.

Record format . . . . . HEADER
```

```

                                Define Field Information

Edited length . . . . . :    1
Record format . . . . . :    HEADER
Number of keywords . . . . . :    0
Number of indicators . . . . . :    0

Type choices, press Enter.

Field . . . . . DATE      Name
Option indicators . . . . . N      01-99, N01
More indicators . . . . . N      Y=Yes, N=N
Starting line . . . . . +1      1-255
Starting position . . . . . +1      1-255, +nn
Length of data . . . . .             1-378, +nn
```

```

                                Define Field Information

Edited length . . . . . :    1
Record format . . . . . :    HEADER
Number of keywords . . . . . :    0
Number of indicators . . . . . :    0

Type choices, press Enter.

Data type . . . . . 6      1=Character
                                2=Zoned
                                3=Floating p
                                6=Date
                                7=Time
                                8=Time stamp
Decimal positions . . . . .             0-31, +n, -n
Reference a field . . . . . N      Y=Yes, N=No
Use referenced values . . . . . Y      Y=Yes, N=No
```

STEP 18 : Compilation 14 → CRTPRTF

type - *file

Type 19 to open RLU files

```

Columns . . . :      6  80                      Browse                      GOFZLIB/CRPGLESRC
SEU=>                                                ORDERRPTPG
FMT FX FFilename++IPEASF.....L.....A.Device+.Keywords+++++++
***** Beginning of data *****
0001.00 FORDERDET  IF  E          K DISK                      250109
0002.00 FORDERRPT  O  E          PRINTER OFLIND(*IN99)        250109
0002.01 Dtot      S          10  2                      250109
0003.00 *                      250107
0003.01 C          *ENTRY      PLIST                      250109
0003.02 C          PARM                      ORDERNO        250109
0004.00 C          EVAL      DATE = %DATE()                250113
0005.00 C          WRITE      HEADER                      250107
0006.00 C          WRITE      HEADINGS                    250107
0007.00 *                      250107
0007.01 C          EVAL      tot = 0                      250109
0009.00 C          ORDERNO      SETLL      ORDERDET        250109
0009.01 C          ORDERNO      READE      ORDERDET        250109
0010.00 *                      250107
0011.00 C          DOW      NOT %EOF()                    250107
0011.03 *                      250107
0011.04 *                      250108
0011.05 C          IF          *IN99 = '1'                250107
0011.07 C          WRITE      HEADER                      250107

```

```

0011.09 C          WRITE      HEADINGS                      250107
0011.11 C          EVAL      *IN99 = '0'                  250107
0011.12 C          ENDIF                      250107
0011.13 *                      250107
0012.02 C          WRITE      RECORDS                      250108
0012.03 C          EVAL      tot = tot + (ITEMQTY * ITEMPRICE) 250109
0012.04 C          EVAL      TOTPRICE = %EDITC(tot:'3')      250109
0013.00 C          ORDERNO      READE      ORDERDET        250109
0014.00 C          ENDDO                      250107
0014.01 *                      250107
0014.03 C          WRITE      SUMMARY                      250107
0015.00 C          EVAL      *INLR = '1'                  250107
***** End of data *****

```