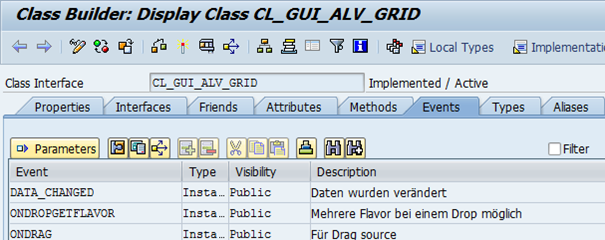
**Object Oriented ALV**

OO ALV için

BC (CL\_GUI\_ALV\_GRID) veya SALV (CL\_SALV\_TABLE) sınıfları kullanılmaktadır.

SE24 işlem kodu ile sınıfları incelenebilir.



BC ALV

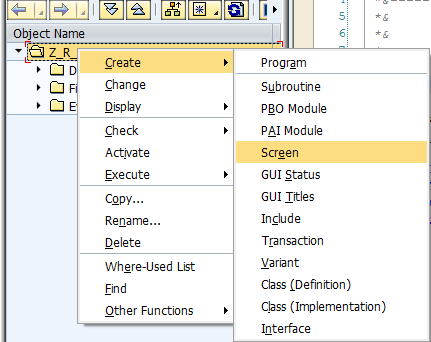
Klasik ABAP listesi veya ızgara içerisinde çıktıyı gösterebilir. Liste görünümünde tüm ekranı kaplar ve sadece bir tablo gösterilebilir.

Izgara görünümünde tam ekran veya container nesnesi aracılığıyla bir ekranda birden fazla tablo gösterilebilir. Tam ekran görünümünde tüm ekranı kaplar ve sadece bir tablo gösterilebilir. Container’ lar aracılığıyla ekranda birden fazla tablo gösterilebilir.

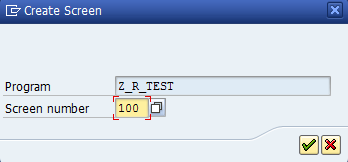
Örnek: Programınızda bir ekran oluşturun.

Ekranı SE51 işlem kodundan veya ABAP düzenleyici içerisindeki nesne listesi görüntüleyicisini kullanarak oluşturabilirsiniz.

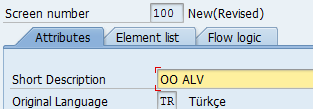
ABAP Düzenleyiciden Nesne listesi görüntüsü ( http://iuyanik.com/abaptr/wp-content/uploads/2013/11/img_52755df509c1a.png) butonunu tıklayın. Programa ait nesneler listelenecektir. Nesne listesi üzerine sağ tıklayarak açılan menüden Create->Screen seçeneğini seçerek ekran oluşturabilirsiniz.



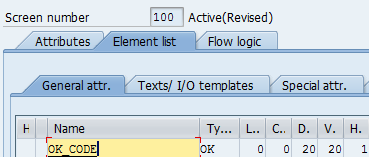
Ekran numarasını olarak “100” girin.



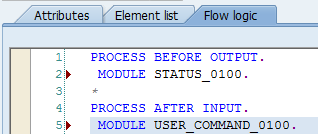
Yeni ekranda Short Description alanına ekranla ilgili kısa tanım girin.



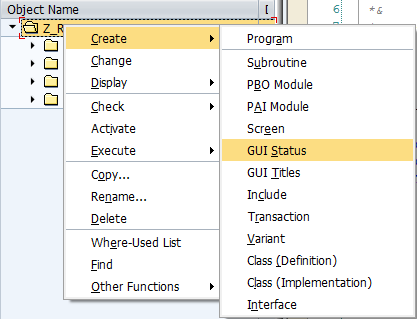
Element list sekmesinde OK elementine değişken ismi olarak “OK\_CODE” girin.



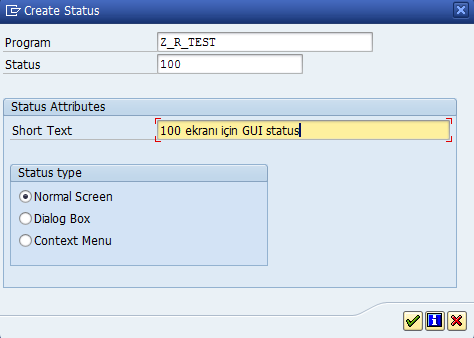
Flow logic sekmesine geçin MODULE ile başlayan satırların başından yıldız işaretlerini kaldırın ve kaydedin.



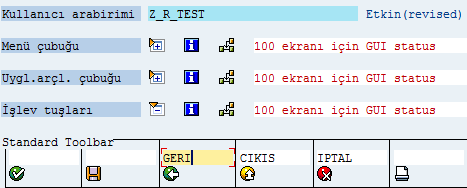
Ekrana ait olayları kontrol etmek için programa bir GUI status nesnesi eklemek gerekir. GUI status nesnesini SE41 işlem kodundan veya ABAP düzenleyiciden nesne listesini kullanarak oluşturabilirsiniz.



GUI status tanımları ekranı açılacaktır. Status alanına “100” girin, Short Text alanına kısa tanım bilgisi girin.



İşlev tuşları sekmesini açın. Resimde gösterilen şekilde 3 buton için fonksiyon kodunu doldurun.



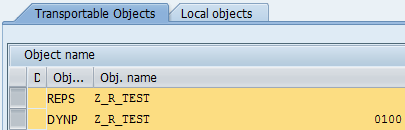
GUI status nesnesini aktif edin.

Dilerseniz nesne görüntüleyiciyi kullanarak ekran için Title bar nesnesi ekleyebilirsiniz.

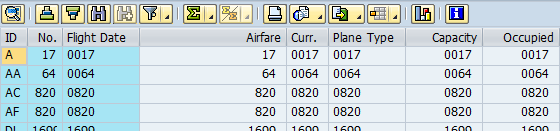
Programa aşağıdaki kod bloğunu ekleyin.

TABLES spfli.  
DATA gt\_spfli TYPE STANDARD TABLE OF spfli.  
DATA: ok\_code LIKE sy-ucomm,  
g\_grid\_100    TYPE REF TO cl\_gui\_alv\_grid,  
gs\_variant    LIKE disvariant.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
CALL SCREEN 100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
SET TITLEBAR ‘100’.  
IF g\_grid\_100 IS INITIAL.  
CREATE OBJECT g\_grid\_100  
EXPORTING  
i\_parent = cl\_gui\_container=>screen0.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid\_100->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SFLIGHT’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_spfli.  
ENDIF.  
ENDMODULE.  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.

ABAP kodunu ve ekran nesnesini aktif edin.



Programı çalıştırdığınızda SPFLI tablosu içeriğini görebilirsiniz.

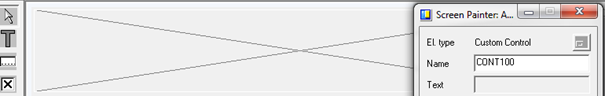


Örnek 2: docking container kullanarak ekrana yerleştirilen custom control nesnesi üzerinde ALV’ yi gösteren örnek.

Nesne görüntüleyici içerisinden ekran nesnesine çift tıklayın. Araç çubuğundaki Layout butonuna tıklayarak. Screen painter’ ı açın. Sol taraftaki menüden Custom Control butonuna tıklayarak ekran üzerine yeni bir custom Control ekleyin.

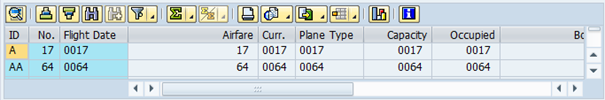
http://iuyanik.com/abaptr/wp-content/uploads/2013/11/img_52755e7db5f4a.png

Custom Control’ un ismini “CONT100” yapın ve ekranı aktif edin.



DATA gt\_spfli TYPE STANDARD TABLE OF spfli.  
DATA: ok\_code LIKE sy-ucomm,  
g\_grid\_100    TYPE REF TO cl\_gui\_alv\_grid,  
gs\_variant    LIKE disvariant,  
g\_custom\_container\_100 TYPE REF TO cl\_gui\_custom\_container.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
CALL SCREEN 100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
SET TITLEBAR ‘100’.  
IF g\_custom\_container\_100 IS INITIAL.  
CREATE OBJECT g\_custom\_container\_100  
EXPORTING container\_name = ‘CONT100′.  
CREATE OBJECT g\_grid\_100  
EXPORTING i\_parent = g\_custom\_container\_100.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid\_100->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SFLIGHT’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_spfli.  
ENDIF.  
ENDMODULE.  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.

Programı çalıştırdığınızda Custom Container içerisinde görüntülenen ALV’ yi görebilirsiniz.



Örnek 3: Ekrana Custom Container yerleştirmeden gösterilen ALV.

DATA gt\_spfli TYPE STANDARD TABLE OF spfli.  
DATA: ok\_code LIKE sy-ucomm,  
g\_grid\_100    TYPE REF TO cl\_gui\_alv\_grid,  
gs\_variant    LIKE disvariant,  
g\_docking\_container\_100 TYPE REF TO cl\_gui\_docking\_container.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
CALL SCREEN 100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
SET TITLEBAR ‘100’.  
IF g\_docking\_container\_100 IS INITIAL.  
CREATE OBJECT g\_docking\_container\_100  
EXPORTING  
side       = g\_docking\_container\_100->dock\_at\_top  
extension  = 2000.  
CREATE OBJECT g\_grid\_100  
EXPORTING i\_parent = g\_docking\_container\_100.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid\_100->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SFLIGHT’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_spfli.  
ENDIF.  
ENDMODULE.  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.

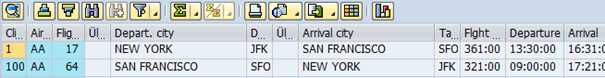
**SALV ÖRNEKLERİ**

Örnek:

TABLES spfli.  
DATA gt\_spfli TYPE STANDARD TABLE OF spfli.  
DATA: g\_salv\_table TYPE REF TO cl\_salv\_table.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
TRY.  
cl\_salv\_table=>factory(  
EXPORTING  
list\_display = ‘X’  
IMPORTING  
r\_salv\_table = g\_salv\_table  
CHANGING  
t\_table = gt\_spfli ).  
CATCH cx\_salv\_msg.  
ENDTRY.  
g\_salv\_table->display( ).

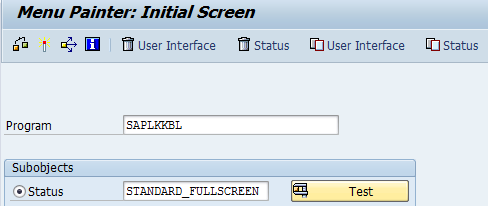
Örnek: Aşağıdaki kod SALV ile oluşturulan ALV yi konteyner içerisinde gösterir.

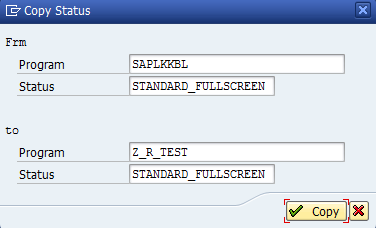
TABLES spfli.  
DATA gt\_spfli TYPE STANDARD TABLE OF spfli.  
DATA: g\_salv\_table TYPE REF TO cl\_salv\_table,  
g\_custom\_container\_100 TYPE REF TO cl\_gui\_custom\_container,  
ok\_code LIKE sy-ucomm,  
g\_functions type ref to cl\_salv\_functions\_list,  
gc\_true  type sap\_bool value ‘X’.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
CALL SCREEN 100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
SET TITLEBAR ‘100’.  
IF g\_custom\_container\_100 IS INITIAL.  
CREATE OBJECT g\_custom\_container\_100  
EXPORTING container\_name = ‘CONT100′.  
TRY.  
cl\_salv\_table=>factory(  
EXPORTING  
r\_container    = g\_custom\_container\_100  
IMPORTING  
r\_salv\_table = g\_salv\_table  
CHANGING  
t\_table = gt\_spfli ).  
CATCH cx\_salv\_msg.  
ENDTRY.  
g\_functions = g\_salv\_table->get\_functions( ).  
g\_functions->set\_all( gc\_true ).  
g\_salv\_table->display( ).  
ENDIF.  
ENDMODULE.  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.                 <I>” USER\_COMMAND\_0100  INPUT</I>

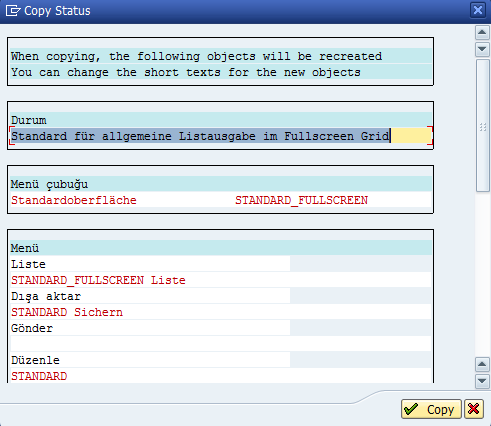


Örnek: SAPLKKBL programından Copy status butonunu kullanarak kendi programınıza GUI status kopyalayabilirsiniz.

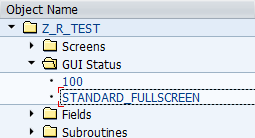
http://iuyanik.com/abaptr/wp-content/uploads/2013/11/img_52755eefd3da6.png



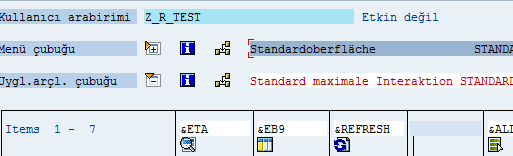




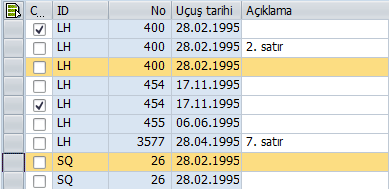
Nesne listesinde görebilirsiniz.



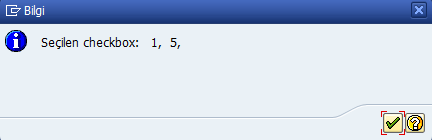
Aktif edin.

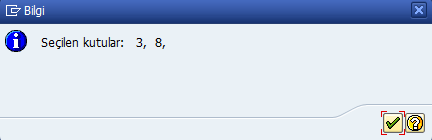


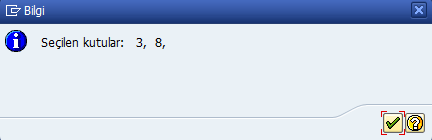
TYPE-POOLS: slis.  
DATA: gt\_fieldcat  TYPE slis\_t\_fieldcat\_alv,  
gs\_fieldcat  TYPE slis\_fieldcat\_alv,  
gs\_layout    TYPE slis\_layout\_alv.  
TYPES: BEGIN OF gy\_sbook,  
box       TYPE c LENGTH 1,  
checkbox  TYPE c LENGTH 1,  
carrid    TYPE sbook-carrid,  
connid    TYPE sbook-connid,  
fldate    TYPE sbook-fldate,  
metin     TYPE c LENGTH 20,  
END OF gy\_sbook.  
DATA: gt\_sbook TYPE STANDARD TABLE OF gy\_sbook,  
gv\_repid TYPE sy-repid.  
SELECT \* FROM sbook INTO CORRESPONDING FIELDS OF TABLE gt\_sbook.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-tabname    = ‘GT\_SBOOK’.  
gs\_fieldcat-fieldname  = ‘CHECKBOX’.  
gs\_fieldcat-seltext\_m  = ‘CHECKBOX’.  
gs\_fieldcat-outputlen  = 3.  
gs\_fieldcat-checkbox   = ‘X’.  
gs\_fieldcat-edit       = ‘X’.  
gs\_fieldcat-input      = ‘X’.  
\*gs\_fieldcat-no\_out     = ‘X’.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘CARRID’.  
gs\_fieldcat-seltext\_m  = ‘ID’.  
gs\_fieldcat-outputlen  = 7.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘CONNID’.  
gs\_fieldcat-seltext\_m  = ‘No’.  
gs\_fieldcat-outputlen  = 8.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘FLDATE’.  
gs\_fieldcat-seltext\_m  = ‘Uçuş tarihi’.  
gs\_fieldcat-outputlen  = 9.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘METIN’.  
gs\_fieldcat-seltext\_m  = ‘Açıklama’.  
gs\_fieldcat-outputlen  = 20.  
gs\_fieldcat-edit       = ‘X’.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
gv\_repid = sy-repid.  
gs\_layout-box\_fieldname     = ‘BOX’.  
gs\_layout-no\_input          = ‘X’.  
CALL FUNCTION ‘REUSE\_ALV\_GRID\_DISPLAY’  
EXPORTING  
i\_callback\_program        = gv\_repid  
it\_fieldcat               = gt\_fieldcat  
i\_save                    = ‘A’  
i\_callback\_pf\_status\_set  = ‘F\_GUI\_STATUS’  
i\_callback\_user\_command   = ‘F\_USER\_COMMAND’  
is\_layout                 = gs\_layout  
TABLES  
t\_outtab                  = gt\_sbook  
EXCEPTIONS  
program\_error             = 1  
OTHERS                    = 2.  
FORM f\_gui\_status USING p\_extab TYPE slis\_t\_extab.  
SET PF-STATUS ‘STANDARD\_FULLSCREEN’.  
ENDFORM.  
FORM f\_user\_command USING r\_ucomm LIKE sy-ucomm  
rs\_selfield TYPE slis\_selfield.  
DATA ref\_grid TYPE REF TO cl\_gui\_alv\_grid.  
DATA: ls\_sbook TYPE gy\_sbook,  
lv\_tabix TYPE c LENGTH 4,  
lv\_mesaj TYPE c LENGTH 50.  
IF ref\_grid IS INITIAL.  
CALL FUNCTION ‘GET\_GLOBALS\_FROM\_SLVC\_FULLSCR’  
IMPORTING  
e\_grid = ref\_grid.  
ENDIF.  
IF NOT ref\_grid IS INITIAL.  
CALL METHOD ref\_grid->check\_changed\_data .  
ENDIF.  
CASE r\_ucomm.  
WHEN ‘&DATA\_SAVE’.  
CLEAR lv\_mesaj.  
LOOP AT gt\_sbook INTO ls\_sbook WHERE checkbox = ‘X’.  
WRITE sy-tabix TO lv\_tabix.  
CONCATENATE lv\_mesaj lv\_tabix ‘,’ INTO lv\_mesaj.  
ENDLOOP.  
CONCATENATE ‘Seçilen checkbox:’ lv\_mesaj INTO lv\_mesaj SEPARATED BY space.  
MESSAGE lv\_mesaj TYPE ‘I’.  
CLEAR lv\_mesaj.  
LOOP AT gt\_sbook INTO ls\_sbook WHERE box = ‘X’.  
WRITE sy-tabix TO lv\_tabix.  
CONCATENATE lv\_mesaj lv\_tabix ‘,’ INTO lv\_mesaj.  
ENDLOOP.  
CONCATENATE ‘Seçilen kutular:’ lv\_mesaj INTO lv\_mesaj SEPARATED BY space.  
MESSAGE lv\_mesaj TYPE ‘I’.  
CLEAR lv\_mesaj.  
LOOP AT gt\_sbook INTO ls\_sbook WHERE metin IS NOT INITIAL.  
MESSAGE ls\_sbook-metin TYPE ‘I’.  
ENDLOOP.  
ENDCASE.  
rs\_selfield-refresh = ‘X’.  
ENDFORM.



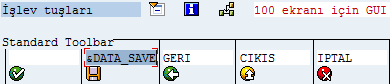
http://iuyanik.com/abaptr/wp-content/uploads/2013/11/img_52755f524f18a.png







Örnek: Bu sefer GUI status 100.



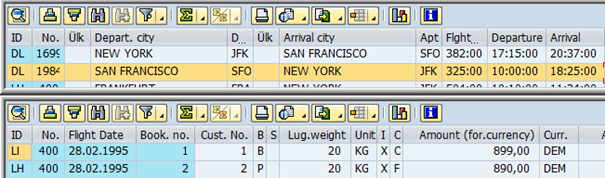
DATA: gt\_fieldcat  TYPE lvc\_t\_fcat,  
gs\_fieldcat  TYPE lvc\_s\_fcat.  
TYPES: BEGIN OF gy\_sbook,  
box       TYPE c LENGTH 1,  
checkbox  TYPE c LENGTH 1,  
carrid    TYPE sbook-carrid,  
connid    TYPE sbook-connid,  
fldate    TYPE sbook-fldate,  
metin     TYPE c LENGTH 20,  
END OF gy\_sbook.  
DATA : g\_docking\_container TYPE REF TO cl\_gui\_docking\_container,  
g\_alv\_grid          TYPE REF TO cl\_gui\_alv\_grid,  
ok\_code LIKE sy-ucomm,  
g\_valid TYPE c,  
gt\_sbook TYPE STANDARD TABLE OF gy\_sbook,  
ls\_sbook TYPE gy\_sbook,  
lv\_tabix TYPE c LENGTH 4,  
lv\_mesaj TYPE c LENGTH 50,  
is\_layout   TYPE lvc\_s\_layo.  
DATA: et\_index\_rows TYPE lvc\_t\_row ,  
et\_row\_no     TYPE lvc\_t\_roid ,  
wa\_row\_no     LIKE LINE OF et\_row\_no.  
DATA gv\_stbl TYPE lvc\_s\_stbl.  
CLASS lcl\_event\_receiver DEFINITION.  
PUBLIC SECTION.  
METHODS:  
handle\_data\_changed  
FOR EVENT data\_changed OF cl\_gui\_alv\_grid  
IMPORTING er\_data\_changed ,  
data\_changed\_finished  
FOR EVENT data\_changed\_finished OF cl\_gui\_alv\_grid  
IMPORTING e\_modified  
et\_good\_cells .  
PRIVATE SECTION.  
DATA: error\_in\_data TYPE c.  
ENDCLASS.                    “lcl\_event\_receiver DEFINITION  
DATA: main\_event\_receiver TYPE REF TO lcl\_event\_receiver.  
CLASS lcl\_event\_receiver IMPLEMENTATION.  
METHOD  handle\_data\_changed.  
DATA ls\_deleted\_rows TYPE lvc\_s\_moce.  
ENDMETHOD.                    <I>”HANDLE\_DATA\_CHANGED</I>  
METHOD data\_changed\_finished.  
DATA : lt\_cells TYPE lvc\_t\_cell,  
ls\_cells TYPE lvc\_s\_cell.  
ENDMETHOD.                    “DATA\_CHANGED\_FINISHED  
ENDCLASS.                    “LCL\_EVENT\_RECEIVER IMPLEMENTATION  
START-OF-SELECTION.  
SELECT \* FROM sbook INTO CORRESPONDING FIELDS OF TABLE gt\_sbook.  
CALL SCREEN 0100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
PERFORM create\_gui\_objects\_0100.  
ENDMODULE.                ” STATUS\_0100  OUTPUT  
MODULE user\_command\_0100 INPUT.  
CLEAR g\_valid.  
CALL METHOD g\_alv\_grid->check\_changed\_data  
IMPORTING e\_valid = g\_valid.  
CASE ok\_code.  
WHEN ‘&DATA\_SAVE’.  
CLEAR lv\_mesaj.  
LOOP AT gt\_sbook INTO ls\_sbook WHERE checkbox = ‘X’.  
WRITE sy-tabix TO lv\_tabix.  
CONCATENATE lv\_mesaj lv\_tabix ‘,’ INTO lv\_mesaj.  
ENDLOOP.  
CONCATENATE ‘Seçilen checkbox:’ lv\_mesaj INTO lv\_mesaj SEPARATED BY space.  
MESSAGE lv\_mesaj TYPE ‘I’.  
CALL METHOD g\_alv\_grid->get\_selected\_rows  
IMPORTING  
et\_index\_rows = et\_index\_rows  
et\_row\_no     = et\_row\_no.  
LOOP AT et\_row\_no INTO wa\_row\_no  .  
ls\_sbook-box = ‘X’ .  
MODIFY gt\_sbook INDEX wa\_row\_no-row\_id FROM ls\_sbook TRANSPORTING box  .  
ENDLOOP.  
CLEAR lv\_mesaj.  
LOOP AT gt\_sbook INTO ls\_sbook WHERE box = ‘X’.  
WRITE sy-tabix TO lv\_tabix.  
CONCATENATE lv\_mesaj lv\_tabix ‘,’ INTO lv\_mesaj.  
ENDLOOP.  
CONCATENATE ‘Seçilen kutular:’ lv\_mesaj INTO lv\_mesaj SEPARATED BY space.  
MESSAGE lv\_mesaj TYPE ‘I’.  
CLEAR lv\_mesaj.  
LOOP AT gt\_sbook INTO ls\_sbook WHERE metin IS NOT INITIAL.  
MESSAGE ls\_sbook-metin TYPE ‘I’.  
ENDLOOP.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
CALL METHOD g\_alv\_grid->refresh\_table\_display.  
CALL METHOD cl\_gui\_cfw=>flush.  
ENDMODULE.                 ” USER\_COMMAND\_0100  INPUT  
MODULE exit INPUT.  
LEAVE TO SCREEN 0.  
ENDMODULE.                 ” EXIT  INPUT  
FORM create\_gui\_objects\_0100 .  
DATA: lt\_fieldcat TYPE lvc\_t\_fcat,  
is\_variant  TYPE disvariant,  
is\_layout   TYPE lvc\_s\_layo,  
lt\_toolbar\_excluding TYPE ui\_functions.  
DATA : lt\_cells TYPE lvc\_t\_cell,  
ls\_cells TYPE lvc\_s\_cell.  
IF g\_docking\_container IS INITIAL.  
CALL METHOD cl\_gui\_cfw=>dispatch.  
CREATE OBJECT g\_docking\_container  
EXPORTING  
side       = g\_docking\_container->dock\_at\_top  
extension  = 2000.  
CREATE OBJECT g\_alv\_grid  
EXPORTING  
i\_parent          = g\_docking\_container  
EXCEPTIONS  
error\_cntl\_create = 1  
error\_cntl\_init   = 2  
error\_cntl\_link   = 3  
error\_dp\_create   = 4  
OTHERS            = 5.  
IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
APPEND g\_alv\_grid->mc\_fc\_graph              TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_info               TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_append\_row TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_copy           TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_copy\_row       TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_cut            TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_delete\_row TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_insert\_row     TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_move\_row       TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_paste          TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_paste\_new\_row  TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_loc\_undo           TO lt\_toolbar\_excluding.  
APPEND g\_alv\_grid->mc\_fc\_check              TO lt\_toolbar\_excluding.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-tabname    = ‘GT\_SBOOK’.  
gs\_fieldcat-fieldname  = ‘CHECKBOX’.  
gs\_fieldcat-seltext    = ‘CHECKBOX’.  
gs\_fieldcat-outputlen  = 3.  
gs\_fieldcat-checkbox   = ‘X’.  
gs\_fieldcat-edit       = ‘X’.  
\*    gs\_fieldcat-no\_out     = ‘X’.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘CARRID’.  
gs\_fieldcat-seltext    = ‘ID’.  
gs\_fieldcat-outputlen  = 7.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘CONNID’.  
gs\_fieldcat-seltext    = ‘No’.  
gs\_fieldcat-outputlen  = 8.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘FLDATE’.  
gs\_fieldcat-seltext    = ‘Uçuş tarihi’.  
gs\_fieldcat-outputlen  = 9.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
CLEAR gs\_fieldcat.  
gs\_fieldcat-fieldname  = ‘METIN’.  
gs\_fieldcat-seltext    = ‘Açıklama’.  
gs\_fieldcat-outputlen  = 20.  
gs\_fieldcat-edit       = ‘X’.  
APPEND gs\_fieldcat TO gt\_fieldcat.  
is\_layout-box\_fname    = ‘BOX’.  
CALL METHOD g\_alv\_grid->set\_table\_for\_first\_display  
EXPORTING  
i\_save                        = ‘A’  
is\_variant                    = is\_variant  
is\_layout                     = is\_layout  
it\_toolbar\_excluding          = lt\_toolbar\_excluding  
CHANGING  
it\_outtab                     = gt\_sbook  
it\_fieldcatalog               = gt\_fieldcat  
EXCEPTIONS  
invalid\_parameter\_combination = 1  
program\_error                 = 2  
too\_many\_lines                = 3  
OTHERS                        = 4.

IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
CREATE OBJECT main\_event\_receiver.  
SET HANDLER main\_event\_receiver->handle\_data\_changed FOR g\_alv\_grid.  
SET HANDLER main\_event\_receiver->data\_changed\_finished FOR g\_alv\_grid.  
CALL METHOD cl\_gui\_control=>set\_focus  
EXPORTING  
control = g\_alv\_grid.  
CALL METHOD g\_alv\_grid->set\_ready\_for\_input  
EXPORTING  
i\_ready\_for\_input = 1.  
CALL METHOD g\_alv\_grid->register\_edit\_event  
EXPORTING  
i\_event\_id = cl\_gui\_alv\_grid=>mc\_evt\_modified.  
CALL METHOD g\_alv\_grid->register\_edit\_event  
EXPORTING  
i\_event\_id = cl\_gui\_alv\_grid=>mc\_evt\_enter.  
CLEAR: lt\_cells[], ls\_cells.  
ls\_cells-row\_id-index = 1.  
CALL METHOD g\_alv\_grid->set\_selected\_cells  
EXPORTING  
it\_cells = lt\_cells.  
ELSE.  
CALL METHOD g\_alv\_grid->refresh\_table\_display.  
CALL METHOD cl\_gui\_cfw=>flush.  
ENDIF.  
ENDFORM.                    ” CREATE\_GUI\_OBJECTS\_0100

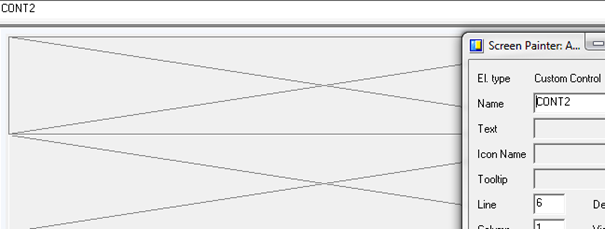
Alan kataloğları kontrol edilecek.

Örnek: İki ALV gösteren örnek.

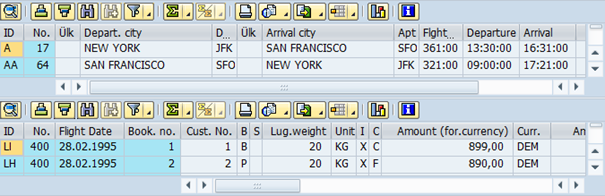
TABLES spfli.  
DATA: gt\_spfli TYPE STANDARD TABLE OF spfli,  
gt\_sbook type standard table of sbook.  
DATA: ok\_code LIKE sy-ucomm,  
g\_grid1 TYPE REF TO cl\_gui\_alv\_grid,  
g\_grid2 TYPE REF TO cl\_gui\_alv\_grid,  
gs\_variant LIKE disvariant,  
g\_docking\_container1 TYPE REF TO cl\_gui\_docking\_container,  
g\_docking\_container2 TYPE REF TO cl\_gui\_docking\_container.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
SELECT \* FROM sbook  
INTO CORRESPONDING FIELDS OF TABLE gt\_sbook.  
CALL SCREEN 100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
SET TITLEBAR ‘100’.  
IF g\_docking\_container1 IS INITIAL.  
CREATE OBJECT g\_docking\_container1  
EXPORTING  
side       = g\_docking\_container1->dock\_at\_top  
ratio      = 50.  
CREATE OBJECT g\_grid1  
EXPORTING i\_parent = g\_docking\_container1.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid1->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SPFLI’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_spfli.  
ENDIF.  
IF g\_docking\_container2 IS INITIAL.  
CREATE OBJECT g\_docking\_container2  
EXPORTING  
side       = g\_docking\_container2->dock\_at\_bottom  
ratio      = 50.  
CREATE OBJECT g\_grid2  
EXPORTING i\_parent = g\_docking\_container2.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid2->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SBOOK’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_sbook.  
ENDIF.  
ENDMODULE.                 ” STATUS\_0100  OUTPUT  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.                 ” USER\_COMMAND\_0100  INPUT



Örnek: İki Custom konteyner kullanarak iki farklı alv gösteren örnek.



TABLES spfli.  
DATA: gt\_spfli TYPE STANDARD TABLE OF spfli,  
gt\_sbook type standard table of sbook.  
DATA: ok\_code LIKE sy-ucomm,  
g\_grid1    TYPE REF TO cl\_gui\_alv\_grid,  
g\_grid2    TYPE REF TO cl\_gui\_alv\_grid,  
gs\_variant    LIKE disvariant,  
g\_custom\_container1 TYPE REF TO cl\_gui\_custom\_container,  
g\_custom\_container2 TYPE REF TO cl\_gui\_custom\_container.  
START-OF-SELECTION.  
SELECT \* FROM spfli  
INTO CORRESPONDING FIELDS OF TABLE gt\_spfli.  
SELECT \* FROM sbook  
INTO CORRESPONDING FIELDS OF TABLE gt\_sbook.  
CALL SCREEN 100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
SET TITLEBAR ‘100’.  
IF g\_custom\_container1 IS INITIAL.  
CREATE OBJECT g\_custom\_container1  
EXPORTING container\_name = ‘CONT1′.  
CREATE OBJECT g\_grid1  
EXPORTING i\_parent = g\_custom\_container1.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid1->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SPFLI’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_spfli.  
ENDIF.  
IF g\_custom\_container2 IS INITIAL.  
CREATE OBJECT g\_custom\_container2  
EXPORTING container\_name = ‘CONT2′.  
CREATE OBJECT g\_grid2  
EXPORTING i\_parent = g\_custom\_container2.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_grid2->set\_table\_for\_first\_display  
EXPORTING i\_structure\_name = ‘SBOOK’  
i\_save           = ‘A’  
is\_variant       = gs\_variant  
CHANGING  it\_outtab        = gt\_sbook.  
ENDIF.  
ENDMODULE.                 <I>” STATUS\_0100  OUTPUT</I>  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.                 ” USER\_COMMAND\_0100  INPUT



Örnek:

DATA: gt\_fieldcat  TYPE lvc\_t\_fcat,  
gs\_fieldcat  TYPE lvc\_s\_fcat.  
DATA : g\_docking\_container TYPE REF TO cl\_gui\_docking\_container,  
g\_alv\_grid          TYPE REF TO cl\_gui\_alv\_grid,  
ok\_code LIKE sy-ucomm,  
gt\_mara TYPE STANDARD TABLE OF mara,  
gs\_mara TYPE mara,  
gs\_layout   TYPE lvc\_s\_layo.  
CLASS lcl\_event\_receiver DEFINITION.  
PUBLIC SECTION.  
METHODS : handle\_hotspot\_click FOR EVENT hotspot\_click OF  
cl\_gui\_alv\_grid  
IMPORTING  
e\_row\_id e\_column\_id es\_row\_no.  
ENDCLASS.                    “lcl\_event\_receiver DEFINITION  
DATA: main\_event\_receiver TYPE REF TO lcl\_event\_receiver.  
CLASS lcl\_event\_receiver IMPLEMENTATION.  
METHOD handle\_hotspot\_click.  
CASE e\_column\_id.  
WHEN ‘MATNR’.  
CLEAR gs\_mara.  
READ TABLE gt\_mara INTO gs\_mara INDEX e\_row\_id-index.  
IF sy-subrc EQ 0.  
SET PARAMETER ID ‘MAT’ FIELD gs\_mara-matnr.  
CALL TRANSACTION ‘MM03′ AND SKIP FIRST SCREEN.  
ENDIF.  
ENDCASE.  
ENDMETHOD.  
ENDCLASS.                    “LCL\_EVENT\_RECEIVER IMPLEMENTATION  
START-OF-SELECTION.  
SELECT \* FROM mara UP TO 10 ROWS  
INTO CORRESPONDING FIELDS OF TABLE gt\_mara.  
CALL SCREEN 0100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
PERFORM create\_gui\_objects\_0100.  
ENDMODULE.                 ” STATUS\_0100  OUTPUT  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.                 ” USER\_COMMAND\_0100  INPUT  
MODULE exit INPUT.  
LEAVE TO SCREEN 0.  
ENDMODULE.                 ” EXIT  INPUT  
FORM create\_gui\_objects\_0100 .  
DATA: lt\_fieldcat TYPE lvc\_t\_fcat,  
gs\_variant  TYPE disvariant,  
gs\_layout   TYPE lvc\_s\_layo,  
lt\_toolbar\_excluding TYPE ui\_functions.  
IF g\_docking\_container IS INITIAL.  
CALL METHOD cl\_gui\_cfw=>dispatch.  
CREATE OBJECT g\_docking\_container  
EXPORTING  
side       = g\_docking\_container->dock\_at\_top  
extension  = 2000.  
CREATE OBJECT g\_alv\_grid  
EXPORTING  
i\_parent          = g\_docking\_container  
EXCEPTIONS  
error\_cntl\_create = 1  
error\_cntl\_init   = 2  
error\_cntl\_link   = 3  
error\_dp\_create   = 4  
OTHERS            = 5.  
IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
CALL FUNCTION ‘LVC\_FIELDCATALOG\_MERGE’  
EXPORTING  
i\_structure\_name             = ‘MARA’  
CHANGING  
ct\_fieldcat                  = gt\_fieldcat  
EXCEPTIONS  
inconsistent\_interface       = 1  
program\_error                = 2  
OTHERS                       = 3.  
IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
gs\_fieldcat-hotspot = ‘X’.  
MODIFY gt\_fieldcat FROM gs\_fieldcat  
TRANSPORTING hotspot  
WHERE fieldname = ‘MATNR’.  
gs\_variant-report = sy-repid.  
CALL METHOD g\_alv\_grid->set\_table\_for\_first\_display  
EXPORTING  
i\_save                        = ‘A’  
is\_variant                    = gs\_variant  
is\_layout                     = gs\_layout  
it\_toolbar\_excluding          = lt\_toolbar\_excluding  
CHANGING  
it\_outtab                     = gt\_mara  
it\_fieldcatalog               = gt\_fieldcat  
EXCEPTIONS  
invalid\_parameter\_combination = 1  
program\_error                 = 2  
too\_many\_lines                = 3  
OTHERS                        = 4.

IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
CREATE OBJECT main\_event\_receiver.  
SET HANDLER main\_event\_receiver->handle\_hotspot\_click FOR g\_alv\_grid.  
ELSE.  
CALL METHOD g\_alv\_grid->refresh\_table\_display.  
CALL METHOD cl\_gui\_cfw=>flush.  
ENDIF.  
ENDFORM.                    ” CREATE\_GUI\_OBJECTS\_0100

Örnek: Veritabanı erişim işlemlerini gösteren örnek.

DATA : g\_docking\_container TYPE REF TO cl\_gui\_docking\_container,  
g\_alv\_grid          TYPE REF TO cl\_gui\_alv\_grid,  
ok\_code LIKE sy-ucomm,  
gt\_sflight TYPE STANDARD TABLE OF sflight,  
gs\_sflight TYPE sflight.  
CLASS lcl\_alv DEFINITION.  
PUBLIC SECTION.  
METHODS:  
alv\_olustur,  
handle\_toolbar  
FOR EVENT toolbar OF cl\_gui\_alv\_grid  
IMPORTING e\_object  
e\_interactive  
sender,  
handle\_user\_command  
FOR EVENT user\_command OF cl\_gui\_alv\_grid  
IMPORTING e\_ucomm sender.  
ENDCLASS.  
DATA g\_alv TYPE REF TO lcl\_alv.  
CLASS lcl\_alv IMPLEMENTATION.  
METHOD alv\_olustur.  
DATA: lt\_fieldcat   TYPE lvc\_t\_fcat,  
ls\_fieldcat   TYPE lvc\_s\_fcat,  
ls\_variant    TYPE disvariant,  
ls\_layout     TYPE lvc\_s\_layo,  
lt\_toolbar\_excluding TYPE ui\_functions,  
lv\_repid      TYPE sy-repid.  
DATA: lt\_cells TYPE lvc\_t\_cell,  
ls\_cells TYPE lvc\_s\_cell.  
IF g\_docking\_container IS INITIAL.  
CREATE OBJECT g\_docking\_container  
EXPORTING  
side       = g\_docking\_container->dock\_at\_top  
extension  = 2000.  
CREATE OBJECT g\_alv\_grid  
EXPORTING  
i\_parent          = g\_docking\_container  
EXCEPTIONS  
error\_cntl\_create = 1  
error\_cntl\_init   = 2  
error\_cntl\_link   = 3  
error\_dp\_create   = 4  
OTHERS            = 5.  
IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
CALL FUNCTION ‘LVC\_FIELDCATALOG\_MERGE’  
EXPORTING  
i\_structure\_name        = ‘ZSFLIGHT’  
CHANGING  
ct\_fieldcat             = lt\_fieldcat  
EXCEPTIONS  
inconsistent\_interface  = 1  
program\_error           = 2  
OTHERS                  = 3.  
IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
ls\_fieldcat-edit = ‘X’.  
MODIFY lt\_fieldcat FROM ls\_fieldcat  
TRANSPORTING edit  
WHERE fieldname = ‘PRICE’.  
ls\_layout-box\_fname    = ‘BOX’.  
lv\_repid = sy-repid.  
ls\_variant-report      = lv\_repid.  
CALL METHOD g\_alv\_grid->set\_table\_for\_first\_display  
EXPORTING  
i\_save                        = ‘A’  
is\_variant                    = ls\_variant  
is\_layout                     = ls\_layout  
it\_toolbar\_excluding          = lt\_toolbar\_excluding  
CHANGING  
it\_outtab                     = gt\_sflight  
it\_fieldcatalog               = lt\_fieldcat  
EXCEPTIONS  
invalid\_parameter\_combination = 1  
program\_error                 = 2  
too\_many\_lines                = 3  
OTHERS                        = 4.  
IF sy-subrc <> 0.  
MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
SET HANDLER me->handle\_toolbar FOR g\_alv\_grid.  
SET HANDLER me->handle\_user\_command FOR g\_alv\_grid.  
CALL METHOD cl\_gui\_control=>set\_focus  
EXPORTING  
control = g\_alv\_grid.  
CALL METHOD g\_alv\_grid->set\_ready\_for\_input  
EXPORTING  
i\_ready\_for\_input = 1.  
ELSE.  
CALL METHOD g\_alv\_grid->refresh\_table\_display.  
CALL METHOD cl\_gui\_cfw=>flush.  
ENDIF.  
ENDMETHOD.  
METHOD handle\_toolbar.  
DATA ls\_toolbar TYPE stb\_button.  
CLEAR ls\_toolbar. MOVE 3 TO ls\_toolbar-butn\_type.  
APPEND ls\_toolbar TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar.  
MOVE ‘DOLDUR’           TO ls\_toolbar-function.  
MOVE icon\_activity      TO ls\_toolbar-icon.  
MOVE ‘Tabloyu doldur’   TO ls\_toolbar-text.  
MOVE ‘select ve insert’ TO ls\_toolbar-quickinfo.  
APPEND ls\_toolbar       TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar. MOVE 3 TO ls\_toolbar-butn\_type.  
APPEND ls\_toolbar TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar.  
MOVE ‘TUMUNUSIL’        TO ls\_toolbar-function.  
MOVE icon\_delete        TO ls\_toolbar-icon.  
MOVE ‘Tümünü sil’       TO ls\_toolbar-text.  
MOVE ‘delete’           TO ls\_toolbar-quickinfo.  
APPEND ls\_toolbar       TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar.  
MOVE ‘SATIRSIL’         TO ls\_toolbar-function.  
MOVE icon\_delete\_row    TO ls\_toolbar-icon.  
MOVE ‘Seçileni sil’     TO ls\_toolbar-text.  
MOVE ‘delete’           TO ls\_toolbar-quickinfo.  
APPEND ls\_toolbar       TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar. MOVE 3 TO ls\_toolbar-butn\_type.  
APPEND ls\_toolbar TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar.  
MOVE ‘GUNCELLEM’        TO ls\_toolbar-function.  
MOVE ‘Güncelle(modify)’ TO ls\_toolbar-text.  
MOVE ‘modify’           TO ls\_toolbar-quickinfo.  
APPEND ls\_toolbar       TO e\_object->mt\_toolbar.  
CLEAR ls\_toolbar.  
MOVE ‘GUNCELLEU’        TO ls\_toolbar-function.  
MOVE ‘Güncelle(update)’ TO ls\_toolbar-text.  
MOVE ‘update’           TO ls\_toolbar-quickinfo.  
APPEND ls\_toolbar       TO e\_object->mt\_toolbar.  
ENDMETHOD.  
METHOD handle\_user\_command.  
DATA: et\_index\_rows TYPE lvc\_t\_row,  
et\_row\_no     TYPE lvc\_t\_roid,  
wa\_row\_no     LIKE LINE OF et\_row\_no.  
CASE e\_ucomm.  
WHEN ‘DOLDUR’.  
REFRESH gt\_sflight.  
SELECT \* FROM sflight UP TO 10 ROWS  
INTO CORRESPONDING FIELDS OF TABLE gt\_sflight.  
INSERT zsflight FROM TABLE gt\_sflight.  
CALL METHOD sender->refresh\_table\_display.  
WHEN ‘TUMUNUSIL’.  
DELETE FROM zsflight.  
COMMIT WORK AND WAIT.  
REFRESH gt\_sflight.  
CALL METHOD sender->refresh\_table\_display.  
WHEN ‘SATIRSIL’.  
CALL METHOD g\_alv\_grid->get\_selected\_rows  
IMPORTING  
et\_index\_rows = et\_index\_rows  
et\_row\_no     = et\_row\_no.  
LOOP AT et\_row\_no INTO wa\_row\_no.  
READ TABLE gt\_sflight INTO gs\_sflight INDEX wa\_row\_no-row\_id.  
DELETE FROM zsflight WHERE carrid = gs\_sflight-carrid AND  
connid = gs\_sflight-connid AND  
fldate = gs\_sflight-fldate.  
COMMIT WORK AND WAIT.  
DELETE gt\_sflight WHERE carrid = gs\_sflight-carrid AND  
connid = gs\_sflight-connid AND  
fldate = gs\_sflight-fldate.  
CALL METHOD sender->refresh\_table\_display.  
ENDLOOP.  
WHEN ‘GUNCELLEM’.  
MODIFY zsflight FROM TABLE gt\_sflight.  
COMMIT WORK AND WAIT.  
WHEN ‘GUNCELLEU’.  
UPDATE zsflight FROM TABLE gt\_sflight.  
COMMIT WORK AND WAIT.  
WHEN OTHERS.  
ENDCASE.  
ENDMETHOD.  
ENDCLASS.  
START-OF-SELECTION.  
SELECT \* FROM zsflight INTO CORRESPONDING FIELDS OF TABLE gt\_sflight.  
CREATE OBJECT g\_alv.  
CALL SCREEN 0100.  
MODULE status\_0100 OUTPUT.  
SET PF-STATUS ‘100’.  
CALL METHOD g\_alv->alv\_olustur.  
ENDMODULE.  
MODULE user\_command\_0100 INPUT.  
CASE ok\_code.  
WHEN ‘GERI’ OR ‘CIKIS’ OR ‘IPTAL’.  
LEAVE TO SCREEN 0.  
ENDCASE.  
ENDMODULE.