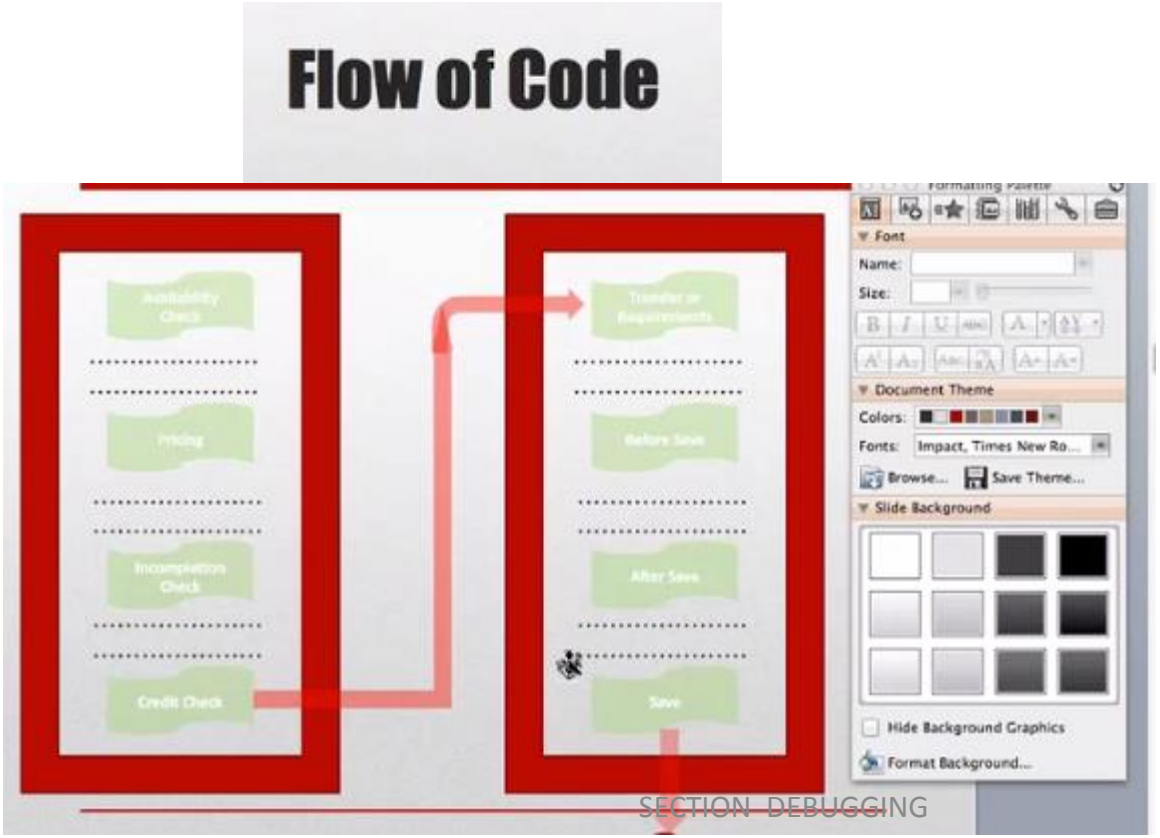
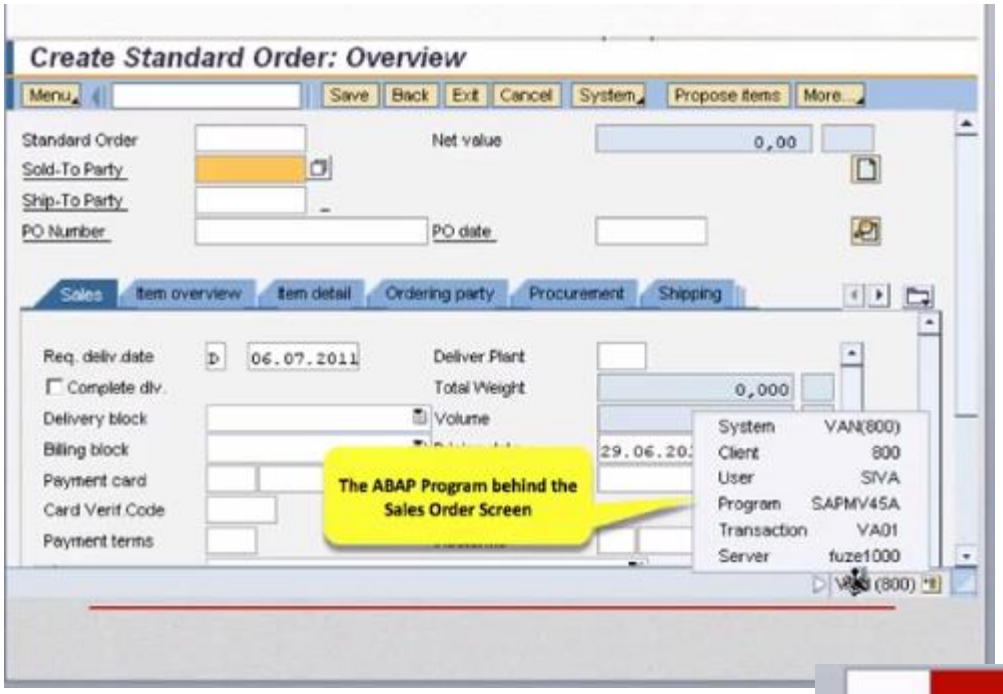
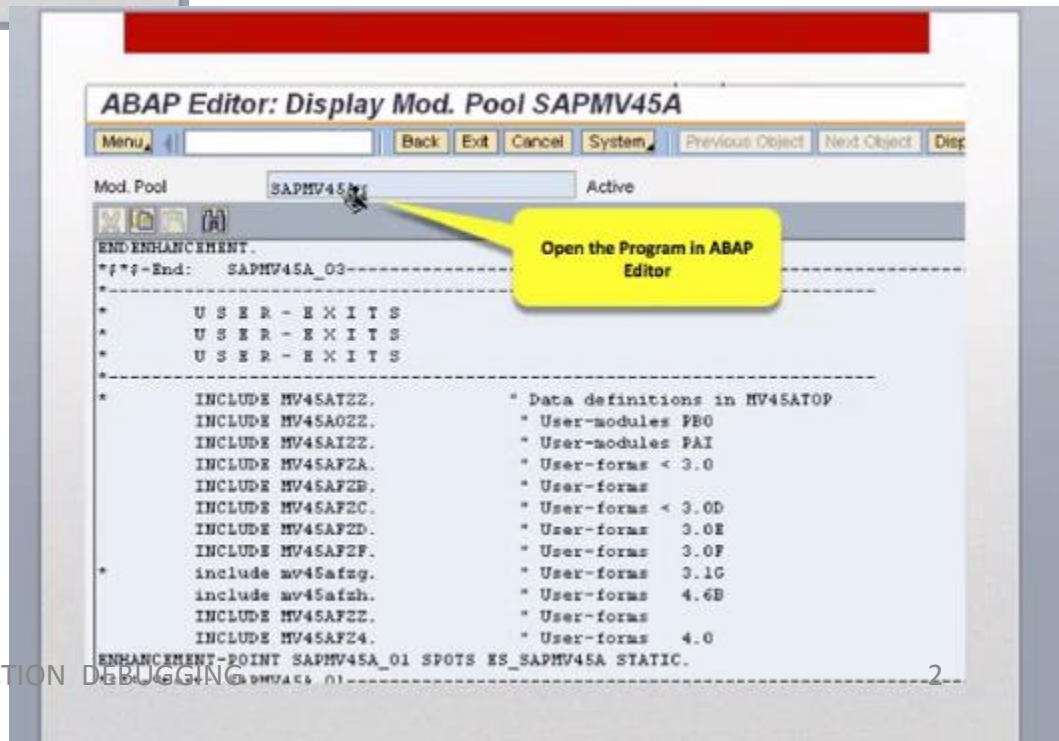
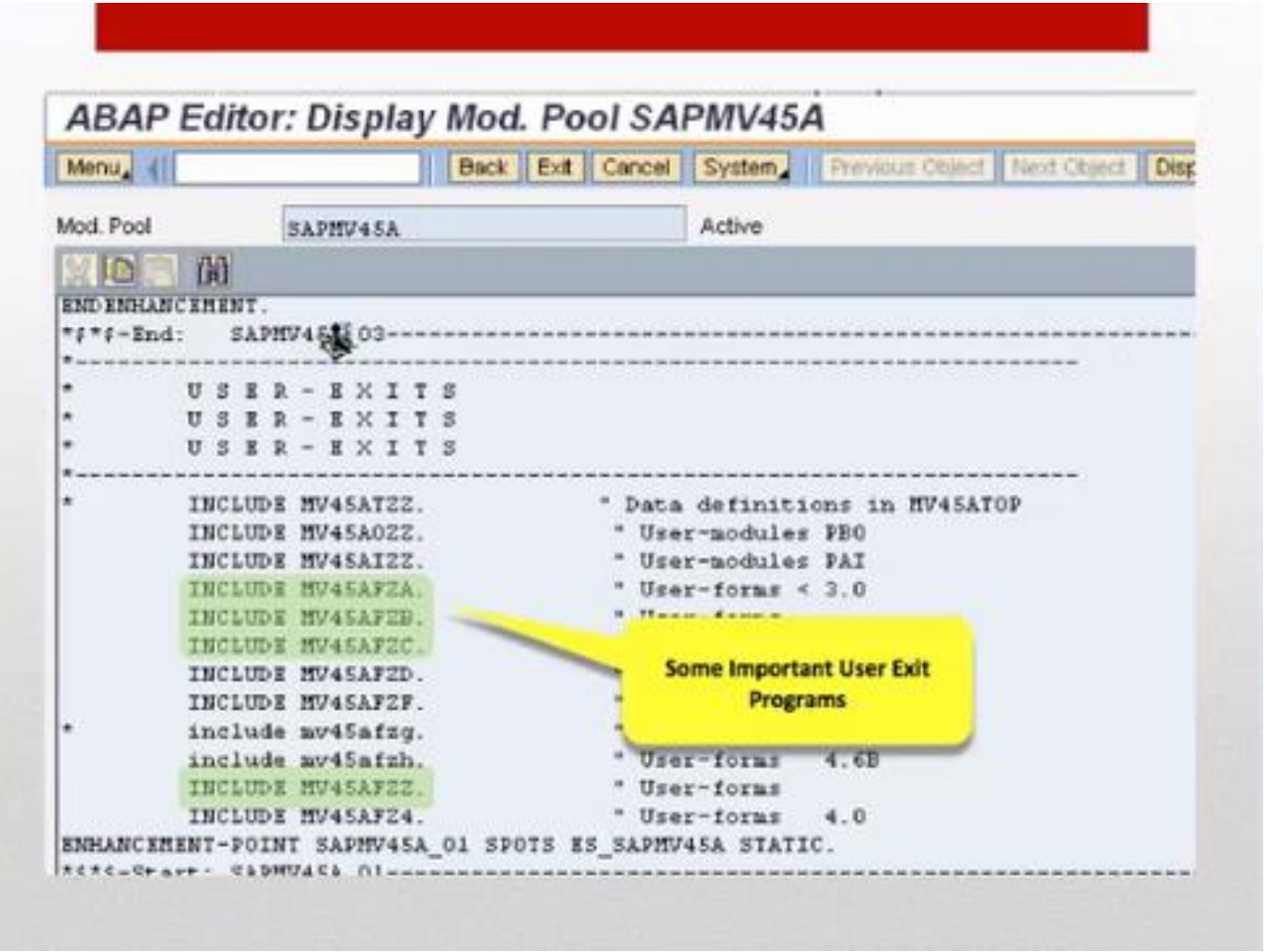
LECTURE: ABAP Debugging for Functional Consultants - 1

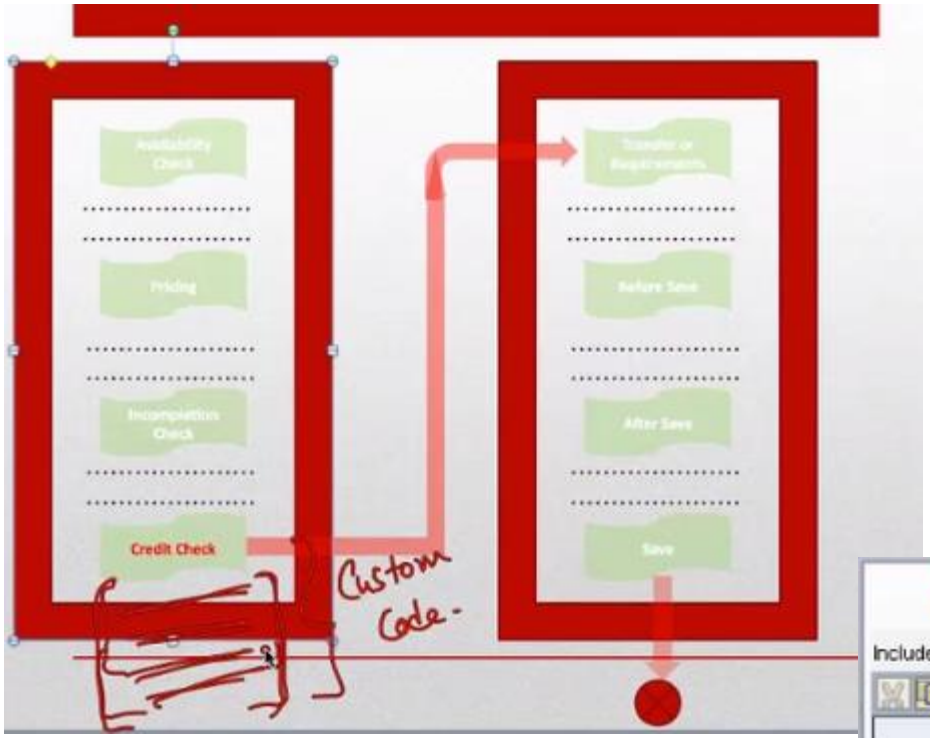


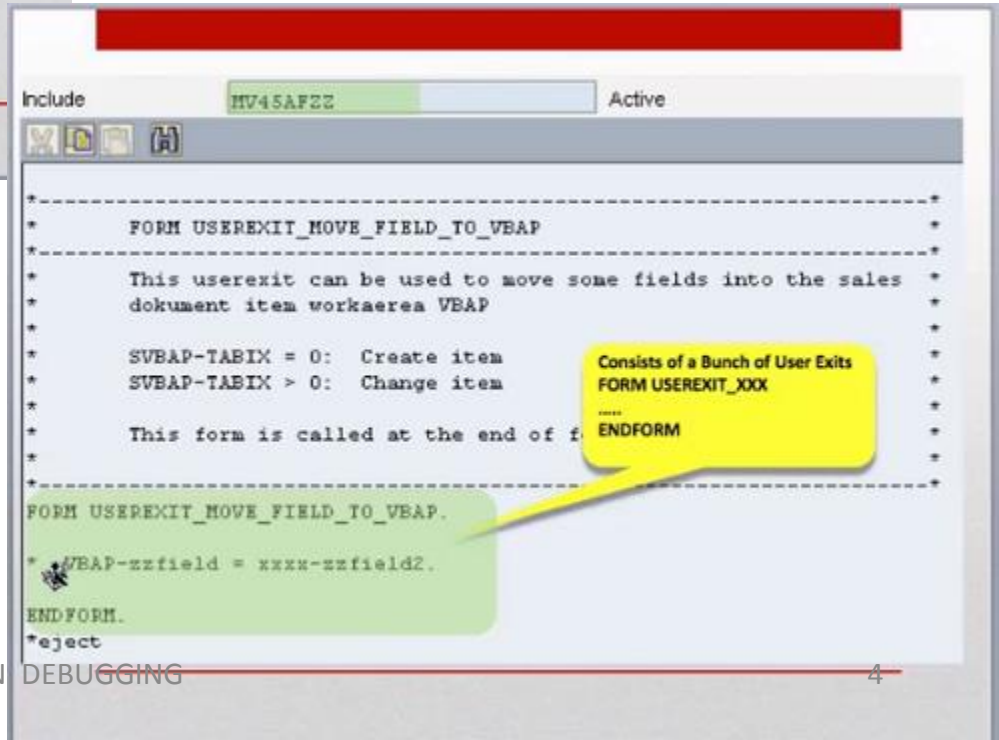

Create Standard Order: Overview
Menu
Save
Back
Exit
Cancel
System
Propose items
More...
Standard Order
Net value
0,00
Sold-To Party
Ship-To Party
PO Number
PO date
Sales
Item overview
Item detail
Ordering party
Procurement
Shipping
Req. deliv.date
06.07.2011
Deliver Plant
Complete dlv.
Total Weight
0,000
Delivery block
Volume
Billing block
Payment card
Card Verif Code
Payment terms
The ABAP Program behind the Sales Order Screen
System VAN(800)
Client 800
User SIVA
Program SAPMV45A
Transaction VA01
Server fuze1000

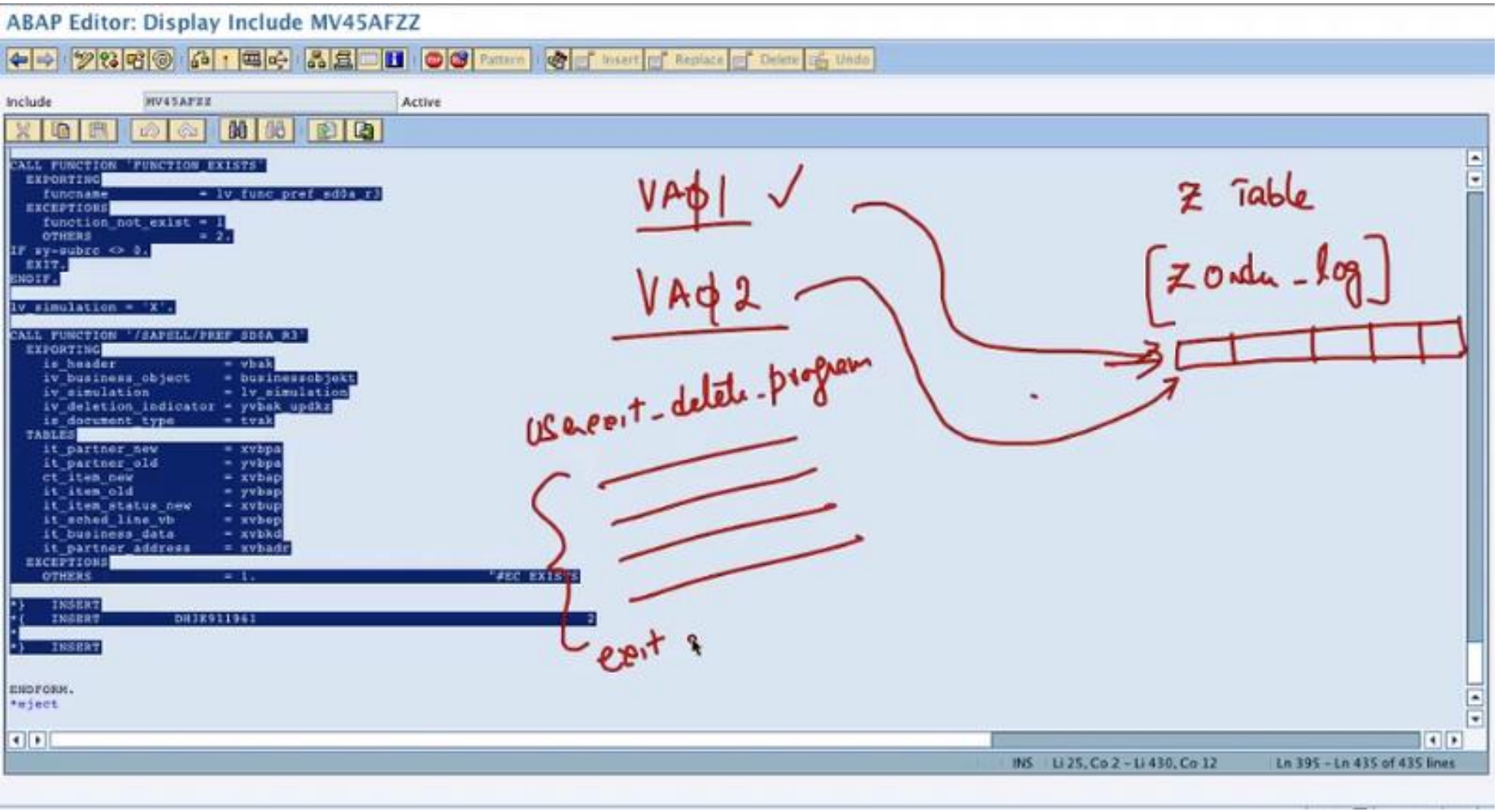

ABAP Editor: Display Mod. Pool SAPMV45A
Menu
Back
Exit
Cancel
System
Previous Object
Next Object
Mod. Pool
SAPMV45A
Active
Open the Program in ABAP Editor
ENDENHANCEMENT.
*$*$-End: SAPMV45A_03
* U S E R - E X I T S
* U S E R - E X I T S
* U S E R - E X I T S
INCLUDE MV45ATZZ. " Data definitions in MV45ATOP
INCLUDE MV45A0ZZ. " User-modules PBO
INCLUDE MV45AIZZ. " User-modules PAI
INCLUDE MV45AFZA. " User-forms < 3.0
INCLUDE MV45AFZB. " User-forms
INCLUDE MV45AFZC. " User-forms < 3.0D
INCLUDE MV45AFZD. " User-forms 3.0E
INCLUDE MV45AFZF. " User-forms 3.0F
include mv45afzg. " User-forms 3.1G
include mv45afzh. " User-forms 4.6B
INCLUDE MV45AFZZ. " User-forms
INCLUDE MV45AFZ4. " User-forms 4.0
ENHANCEMENT-POINT SAPMV45A_01 SPOTS ES_SAPMV45A STATIC.

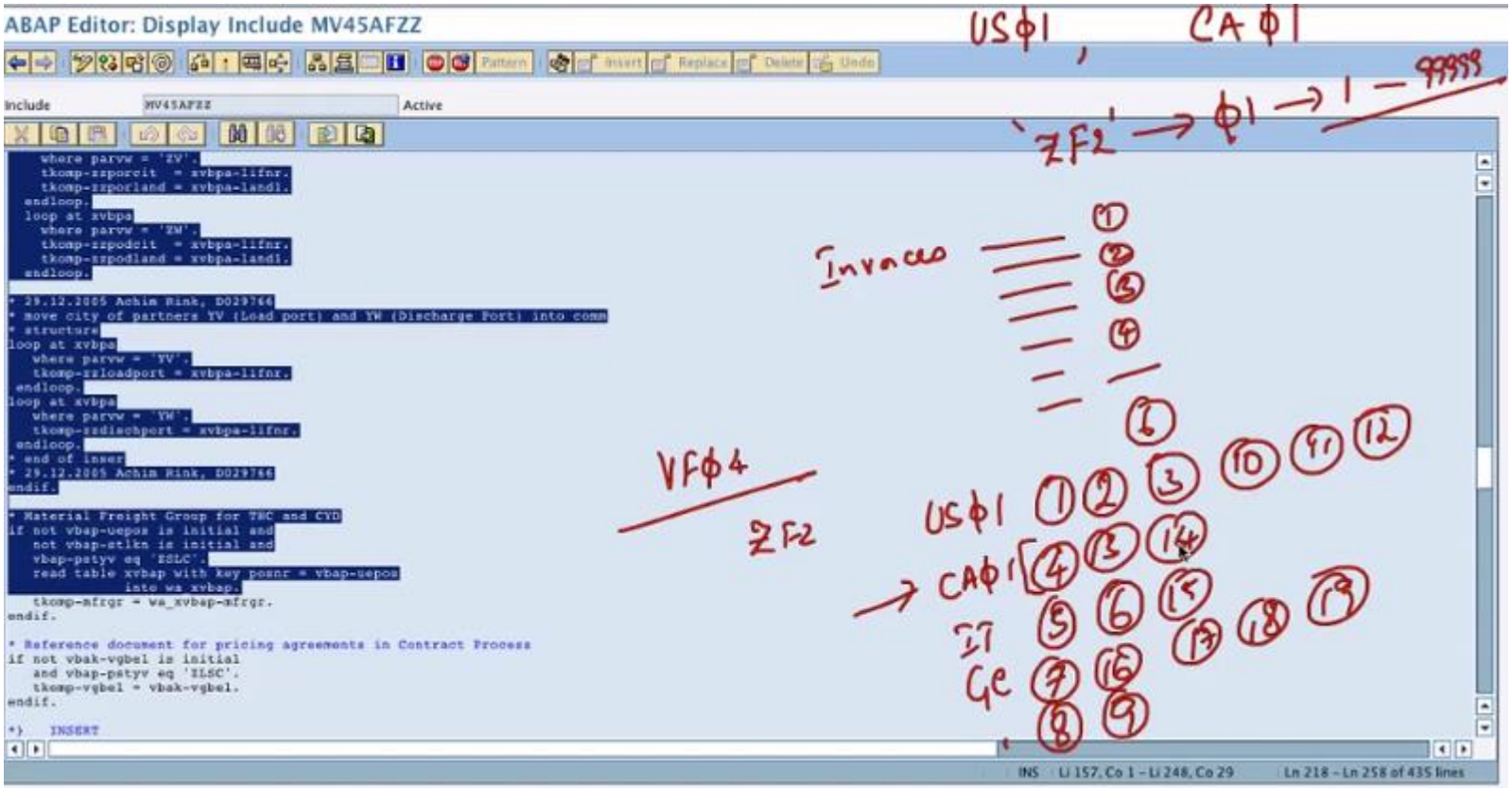

ABAP Editor: Display Mod. Pool SAPMV45A
Menu
Back
Exit
Cancel
System
Previous Object
Next Object
Mod. Pool
SAPMV45A
Active
END ENHANCEMENT.
--
*   U S E R - E X I T S
*   U S E R - E X I T S
*   U S E R - E X I T S
--
*   INCLUDE MV45ATZZ.   " Data definitions in MV45ATOP
         INCLUDE MV45A0ZZ.   " User-modules PBO
         INCLUDE MV45AIZZ.   " User-modules PAI
         INCLUDE MV45AFZA.   " User-forms < 3.0
         INCLUDE MV45AFZB.
         INCLUDE MV45AFZC.
         INCLUDE MV45AFZD.
         INCLUDE MV45AFZF.
*   include mv45afzg.
         include mv45afzh.   " User-forms   4.6B
         INCLUDE MV45AFZZ.   " User-forms
         INCLUDE MV45AFZ4.   " User-forms   4.0
ENHANCEMENT-POINT SAPMV45A_01 SPOTS ES_SAPMV45A STATIC.
Some Important User Exit Programs

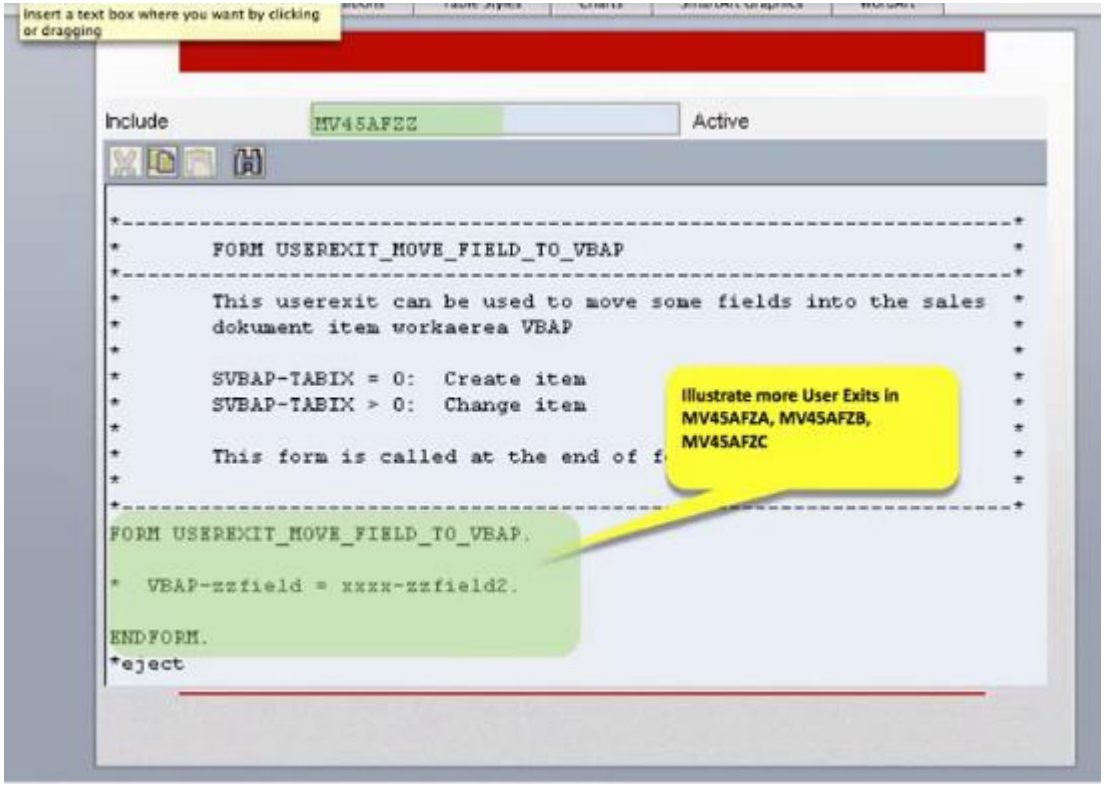
LECTURE: ABAP Debugging for Functional Consultants -2



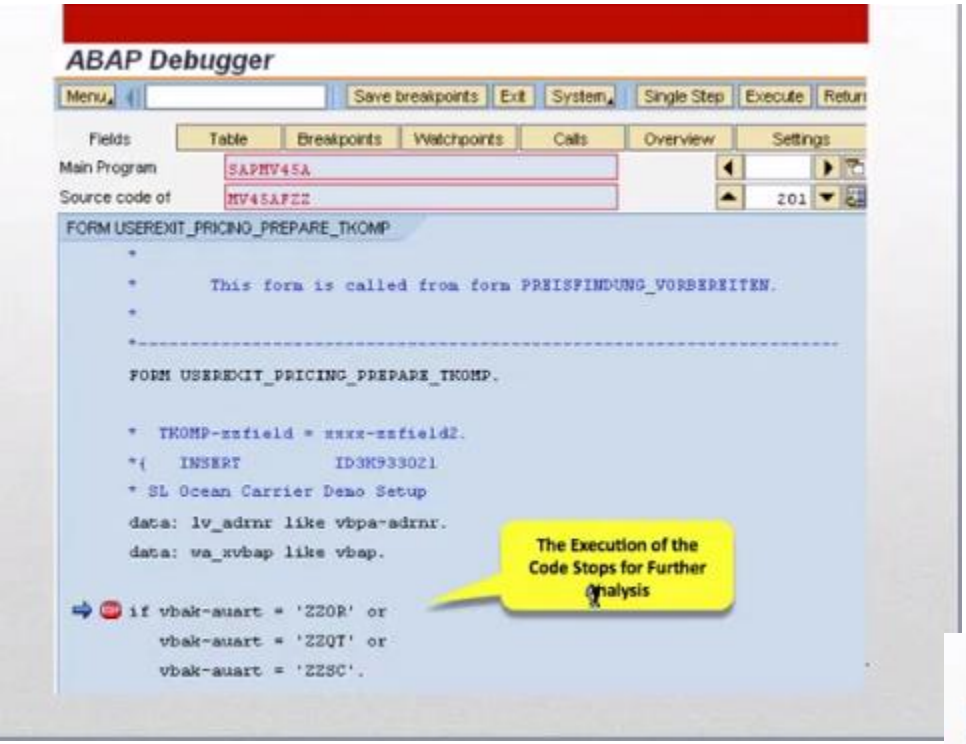


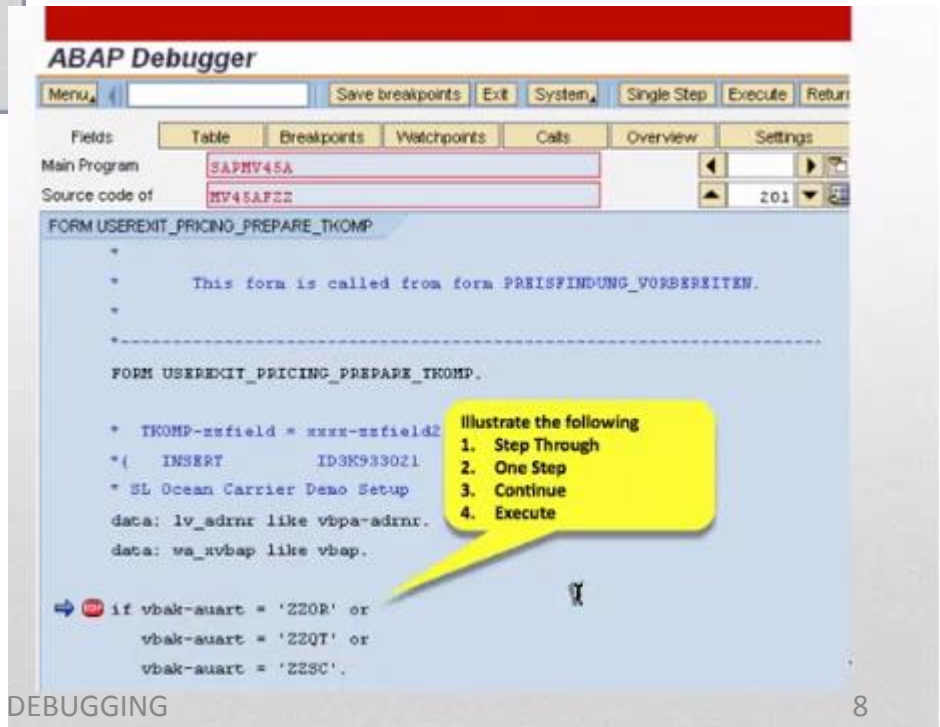
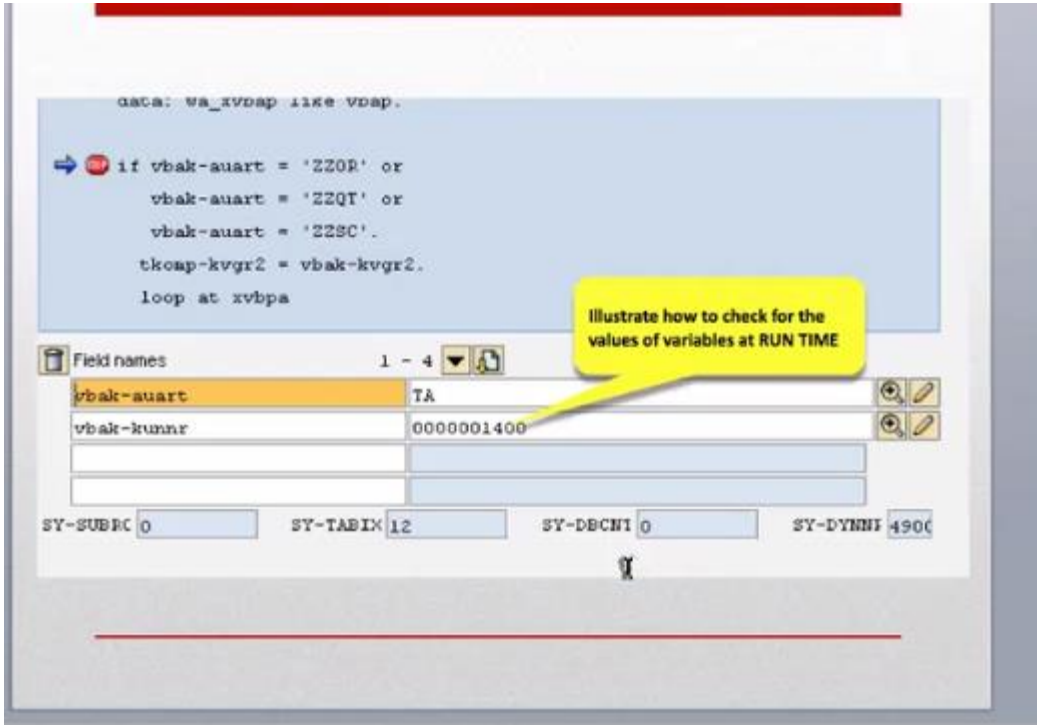

ABAP Editor: Display Include MV45AFZZ
Include
MV45AFZZ
Active
CALL FUNCTION 'FUNCTION_EXISTS'
EXPORTING
funcname = lv_func_pref_sd0a_r3
EXCEPTIONS
function_not_exist = 1
OTHERS = 2.
IF sy-subrc <> 0.
EXIT.
ENDIF.
lv_simulation = 'X'.
CALL FUNCTION '/SAPSLL/PREF_SD0A_R3'
EXPORTING
is_header = vbak
iv_business_object = businessobjekt
iv_simulation = lv_simulation
iv_deletion_indicator = yvbak_updkz
is_document_type = tvak
TABLES
it_partner_new = xvbpa
it_partner_old = yvbpa
ct_item_new = xvbap
it_item_old = yvbap
it_item_status_new = xvbup
it_sched_line_vb = xvbep
it_business_data = xvbkd
it_partner_address = xvbadr
EXCEPTIONS
OTHERS = 1.
*} INSERT
*{ INSERT DHJK911961 2
*
*} INSERT
ENDFORM.
*eject
VA01 ✓
VA02
Z Table
[Zorder_log]
USEREXIT_DELETE_PROGRAM
exit ?
INS Li 25, Co 2 - Li 430, Co 12
Ln 395 - Ln 435 of 435 lines


ABAP Editor: Display Include MV45AFZZ
Include
MV45AFZZ
Active
where parvw = 'ZV'.
tkomp-zzporcit = xvbpa-lifnr.
tkomp-zzporland = xvbpa-landl.
endloop.
loop at xvbpa
where parvw = 'ZW'.
tkomp-zzpodcit = xvbpa-lifnr.
tkomp-zzpodland = xvbpa-landl.
endloop.
* 29.12.2005 Achim Rink, D029766
* move city of partners YV (Load port) and YW (Discharge Port) into comm
* structure
loop at xvbpa
where parvw = 'YV'.
tkomp-zzloadport = xvbpa-lifnr.
endloop.
loop at xvbpa
where parvw = 'YW'.
tkomp-zzdischport = xvbpa-lifnr.
endloop.
* end of inser
* 29.12.2005 Achim Rink, D029766
endif.
* Material Freight Group for THC and CYD
if not vbap-uepos is initial and
not vbap-stlkn is initial and
vbap-pstyv eq 'ZSLC'.
read table xvbap with key posnr = vbap-uepos
into wa_xvbap.
tkomp-mfrgr = wa_xvbap-mfrgr.
endif.
* Reference document for pricing agreements in Contract Process
if not vbak-vgbel is initial
and vbap-pstyv eq 'ZLSC'.
tkomp-vgbel = vbak-vgbel.
endif.
*) INSERT
INS Li 157, Co 1 - Li 248, Co 29
Ln 218 - Ln 258 of 435 lines
US$1 , CA$1
'ZF2' → $1 → 1 - 99999
Invoice
VF$4
ZF2
US$1
CA$1
IT
GE



What is a Break Point ?


ABAP Debugger
Menu
Save breakpoints
Exit
System
Single Step
Execute
Fields
Table
Breakpoints
Watchpoints
Calls
Overview
Settings
Main Program
SAPMV45A
Source code of
MV45AFZZ
201
FORM USEREXIT_PRICING_PREPARE_TKOMP
* This form is called from form PREISFINDUNG_VORBEREITEN.
FORM USEREXIT_PRICING_PREPARE_TKOMP.
* TKOMP-zzfield = xxxx-zzfield2.
*(INSERT ID3K933021
* SL Ocean Carrier Demo Setup
data: lv_adrnr like vbpa-adrnr.
data: wa_xvbap like vbap.
if vbak-auart = 'ZZOR' or
vbak-auart = 'ZZQT' or
vbak-auart = 'ZZSC'.
The Execution of the Code Stops for Further Analysis


ABAP Debugger
Menu
Save breakpoints
Exit
System
Single Step
Execute
Fields
Table
Breakpoints
Watchpoints
Calls
Overview
Settings
Main Program
SAPMV45A
Source code of
MV45AFZZ
201
FORM USEREXIT_PRICING_PREPARE_TKOMP
* This form is called from form PREISFINDUNG_VORBEREITEN.
FORM USEREXIT_PRICING_PREPARE_TKOMP.
* TKOMP-zzfield = xxxx-zzfield2
*(INSERT ID3K933021
* SL Ocean Carrier Demo Setup
data: lv_adrnr like vbpa-adrnr.
data: wa_xvbap like vbap.
if vbak-auart = 'ZZOR' or
vbak-auart = 'ZZQT' or
vbak-auart = 'ZZSC'.
Illustrate the following
1. Step Through
2. One Step
3. Continue
4. Execute

What is a DEBUG Replace ?