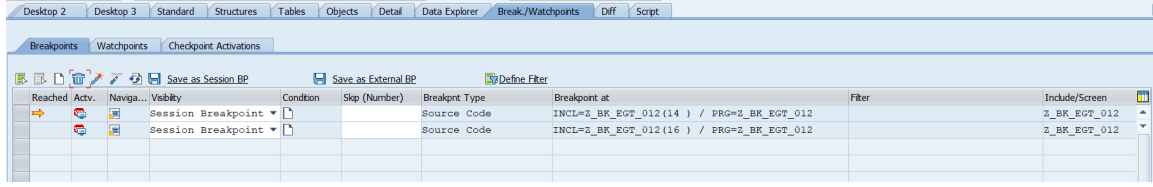
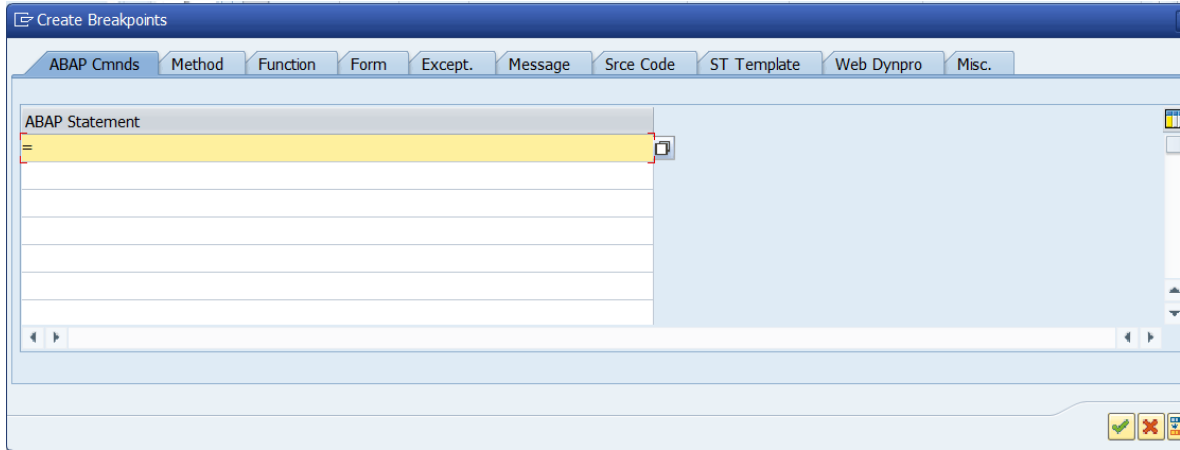


# Breakpoint and Watchpoint

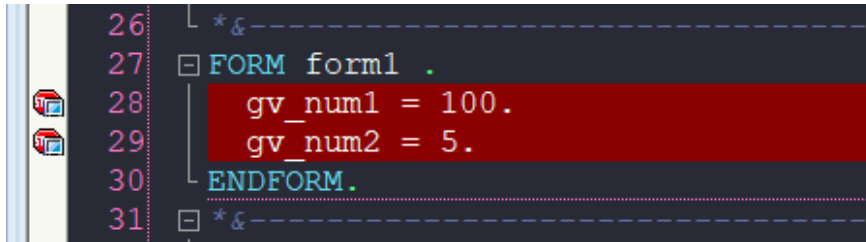
Bu alanda koyduğumuz breakpointleri gösterir.



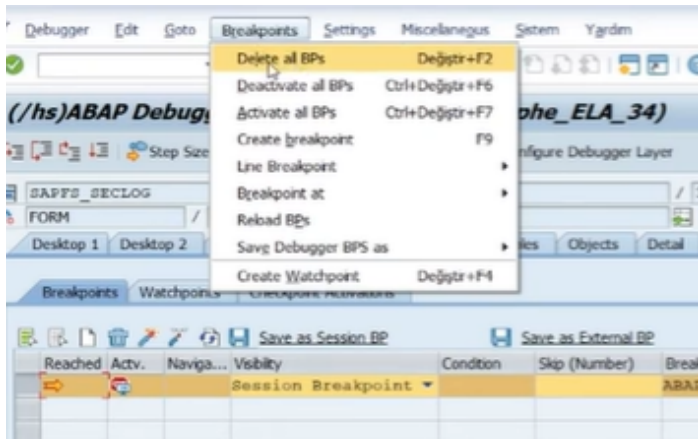
Bu alandan yeni bir breakpointi el ile de atayabiliyoruz direkt sistemden;



örneğin = koyduk ve bu demek ki her = gordugun yerde breakpoint ataması anlamına gelir. Bu şekilde;



Ayrıca ne kadar breakpoint tanımlaması yapıldıysa bile şu şekilde hepsi kaldırılabilir;

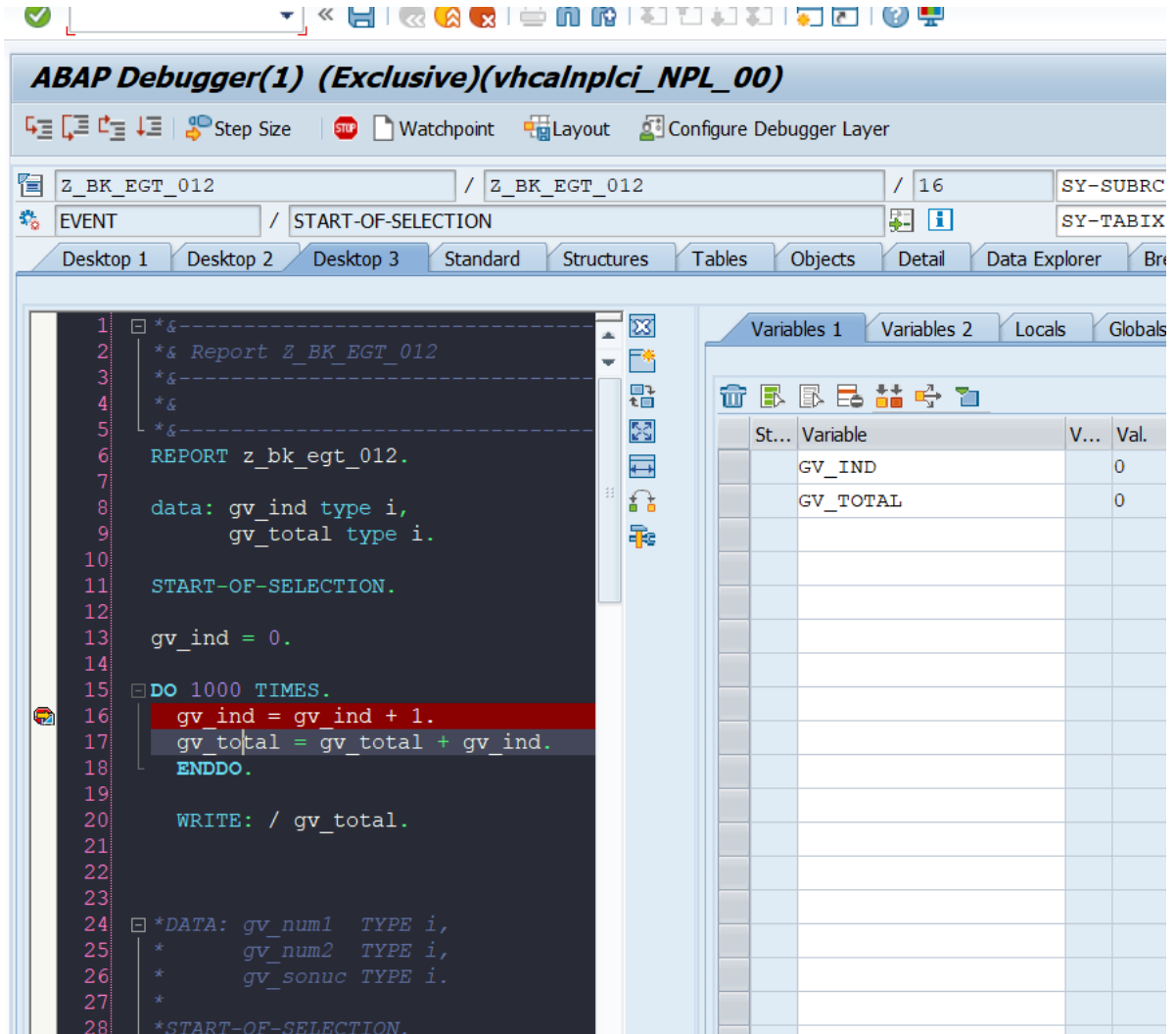


Bu breakpoint alanında genellikle message alanında breakpoint atamak çok elverişlidir. Standart programlarda bir hatanın neden alındığıyla ilgili talepler gelir ve sap'in standart mesajlarını yakalamak açısından bu önemlidir.

## WATCHPOINT

örneğin burada 1000 kere f5'e basınca bitmiş olacak. Ve misal 750'deyken ne değer aldığını öğrenmek istiyoruz, bunun için 750 kez f5'e basmamıza gerek yok.

Breakpoint nasıl bir satırda durduruyorsa, Watchpoint ise bir variable'in belirli bir değer aldığı anda durdurmamızı sağlayan yapıdır.



Uygulaması ise şuradaki gibi olacaktır;

Create Watchpoint

Variable:

Program Name:

Watchpoint Type

☒ Watchpoint at Variable  
Monitor the Variable During the Program Run  
Stop Immediately When Value of Variable Changes

☐ Watchpoint at Object Attribute  
Monitor the Object During the Program Run  
Stop Immediately When One of the Selected Attributes of the Objects Changes or Vanishes

Additional Type Dependent Specifications

Variable Type:

☐ Only for Local Variables

☒ All Module Instncls.

☐ Only Current Module Instance

No Additional Condition

Condition

Free Condition Entry:

EVENT / START-UP-SELECTION









Desktop 3 Standard Structures Tables Objects Detail Data Explorer Break./Watchpoints Diff

Breakpoints Watchpoints Checkpoint Activations

Reached	Activ.	Status	Details	Variable Name	Current Value	Old Value
	STOP			GV_IND	0	0

Ardından desktop 3'e geldiğimizde ve f8'e bastığımızda 750 kere döngüye girince durdurmuş olup gv\_ind değerini bize gösteriyor.

**ABAP Debugger(1) (Exclusive)(vhcalnplci\_NPL\_00)**





 Step Size
  Watchpoint
  Layout
  Configure Debugger Layer

3K_EGT_012	/	Z_BK_EGT_012	/	17	SY-SUBRC	0
------------	---	--------------	---	----	----------	---

NT / START-OF-SELECTION   SY-TABIX 1

ktop 2 Desktop 3 Standard Structures Tables Objects Detail Data Explorer Break./Watchpoints

```

1  * &
2  * & Report Z_BK_EGT_012
3  * &-----
4  * &
5  * &-----
6  REPORT z_bk_egt_012.
7
8  data: gv_ind type i,
9        gv_total type i.
10
11 START-OF-SELECTION.
12
13 gv_ind = 0.
14
15 DO 1000 TIMES.
16     gv_ind = gv_ind + 1.
17     gv_total = gv_total + gv_ind.
18 ENDDO.
19
20 WRITE: / gv_total.
21
22
23
24 * DATA: gv_num1 TYPE i,
25          * gv_num2 TYPE i,

```

[illegible]