

A Simple search program for Dictionary objects



Applies To:

ABAP Programming

Article Summary

This Code sample is a simple search utility for the dictionary objects. This has three kinds of search functionality such as exactly same, starting with and containing.

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Source Code

```
* ----- *
* Report  ZC1_SEARCH_OBJECTS                      *
* ----- *
* Description      : A Simple search program for Repository
*                  objects. This includes the pattern matching
*                  functionality also.
* Program By      : Kathirvel Balakrishnan.
* Created on      : 06 March 2005.
* ----- *

REPORT zc1_search_objects MESSAGE-ID zc1msg1.

*&-----*
*&      Declaration Section for Tables used in the Report      *
*&-----*

TABLES: tadir.

*&-----*
*&      Declaration Section for the Internal Tables            *
*&-----*

DATA: i_intab LIKE TABLE OF tadir WITH HEADER LINE,
```

v_syrepid LIKE sy-repid.

```
*&-----*
*&           Selection Screen Section                               *
*&-----*
```

SELECTION-SCREEN BEGIN OF BLOCK b1 WITH FRAME TITLE text-t01.

PARAMETERS: p_object TYPE tadir-obj_name OBLIGATORY.

SELECTION-SCREEN SKIP 1.

SELECTION-SCREEN BEGIN OF BLOCK b2 WITH FRAME TITLE text-t02.

PARAMETERS : r_same RADIOBUTTON GROUP rgrp,
 r_like RADIOBUTTON GROUP rgrp,
 r_cont RADIOBUTTON GROUP rgrp.

SELECTION-SCREEN END OF BLOCK b2.

SELECTION-SCREEN END OF BLOCK b1.

```
*&-----*
*&           Start Of Selection Event Begins Here                     *
*&-----*
```

START-OF-SELECTION.

v_syrepid = sy-repid.

PERFORM search_object.

PERFORM display_result.

```
*&-----*
*&           Form  search_object                                       *
*&-----*
*           This Subroutine will search for the object and fills it in the
*           internal table I_INTAB.
*-----*
```

FORM search_object.

```

*----- Searching for the exact match in the database -----*
IF r_same = 'X'.
    SELECT * FROM tadir INTO TABLE i_intab WHERE obj_name = p_object.
ENDIF.

*----- Searching for the objects that begin with given value -----*
IF r_like = 'X'.
    CONCATENATE p_object '%' INTO p_object.
    SELECT * FROM tadir INTO TABLE i_intab
    WHERE obj_name LIKE p_object.
ENDIF.

*----- Searching for the objects that contain the given value -----*
IF r_cont = 'X'.
    CONCATENATE '%' p_object '%' INTO p_object.
    SELECT * FROM tadir INTO TABLE i_intab
    WHERE obj_name LIKE p_object.
ENDIF.

ENDFORM.                    " search_object

*&-----*
*&      Form  display_result
*&-----*
*      The search result will displayed in a report.
*-----*
* --> p1      text
* <-- p2      text
*-----*

FORM display_result.

CALL FUNCTION 'REUSE_ALV_GRID_DISPLAY'
EXPORTING
    i_callback_program      = v_syrepid
    i_structure_name        = 'TADIR'
    i_grid_title            = 'Repository Search Result'
TABLES
    t_outtab                = i_intab
EXCEPTIONS
    program_error           = 1

```

```
OTHERS                                = 2.  
IF sy-subrc <> 0.  
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno  
        WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.  
ENDIF.  
  
ENDFORM.                              " display_result
```

Sample Screen Shots

Selection Screen

The screenshot shows a classic SAP-style graphical user interface. At the top is a menu bar with 'Program', 'Edit', 'Goto', 'System', and 'Help'. Below the menu bar is a toolbar with various icons for file operations and navigation. The main title of the window is 'Simple search program for repository objects'. The interface is divided into two main sections. The top section, titled 'Enter the search details!', contains a label 'Enter the object name' followed by a text input field containing the value 'zc1'. The bottom section, titled 'Choose a search method', contains three radio button options: 'Exactly Like', 'Starting with', and 'Containing'. The 'Starting with' option is currently selected, indicated by a filled circle next to it.

Output Screen

Simple search program for repository objects

Repository Search Result

Prog. ID	Obj. type	Object name	RequestTask	Original	Pers. resp.	Development class	Internal	L	Ve
R3TR	FUGR	ZC10		PDC	BAUMANNJE	\$TMP	L	EN	
R3TR	TABL	ZC100		PDC	DEV03	ZWIP	L	EN	
R3TR	TABL	ZC1000		PDC	DEV03	ZWIP	L	EN	
R3TR	DTL	ZC1EMPID		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1EMPJD		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1EMPRD		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1EMPBLD		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1EMPTD		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1EMPIE		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1EMPSAPE		PDC	DEV09	\$TMP	L	EN	
R3TR	TABL	ZC10_EMP		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC10_EMPID		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC10_EMPNAME		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC10_DQJ		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC1PROCDE		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1PROSD		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC10_DOR		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC1PROED		PDC	DEV09	\$TMP	L	EN	
R3TR	DOMA	ZC10_EMPID_DOM		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC1PROBLC		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1PROTMID		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC10_BLCODE		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC1PROPMID		PDC	DEV09	\$TMP	L	EN	
R3TR	DTL	ZC1PRODES		PDC	DEV09	\$TMP	L	EN	
R3TR	DOMA	ZC10_BLC		PDC	DEV09	ZIMMDEV	L	EN	
R3TR	DTL	ZC1LOCCODE		PDC	DEV09	\$TMP	L	EN	

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Author Bio



Kathirvel Balakrishnan is working as a Project Engineer for Wipro Technologies. Areas of interest are ABAP and Java Programming.

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