

## How to Create an ABAP Program in SAP

In this tutorials, you will learn what are the important pre requisites to create an ABAP program in [SAP](#) and how to create SAP ABAP program step by step.

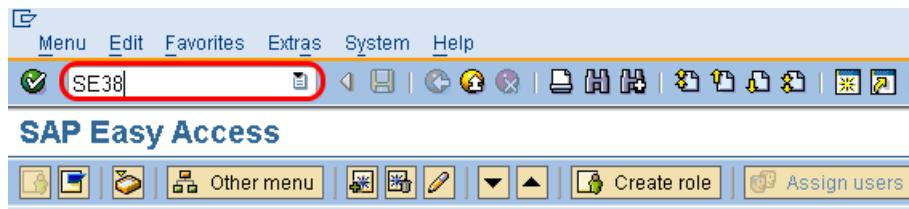
### Pre-requisites to create SAP ABAP Program

1. Name: The program name of SAP Abap should start with a letter Z or Y because, A to X letters are reserved for SAP programs.
2. Title: Under title, you need to update the description of an ABAP program.
3. Type: Type of program – Executable program, Include Program, Module Pool Program, etc.
4. Package: It refers to folder, where the SAP Abap program can be stored and created.

In real time scenarios, the packages are maintained as per modules and sub modules and not for individual programs.

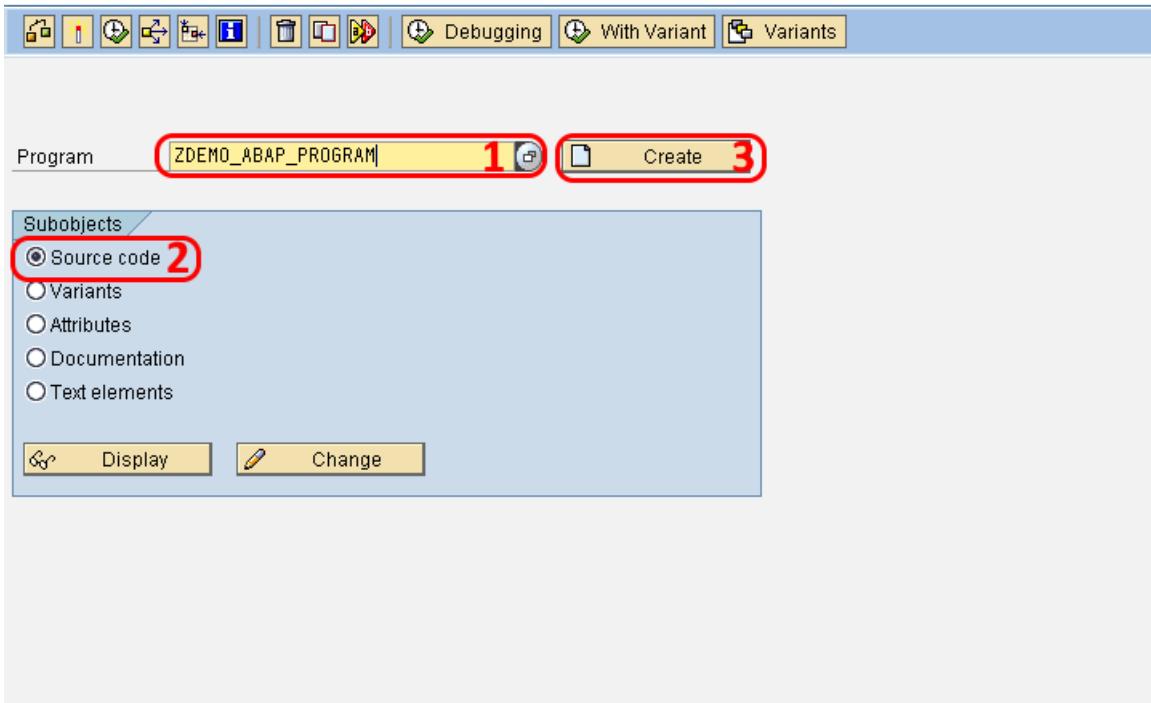
### How to Create an ABAP Program in SAP

**Step 1:** Enter the transaction code “[SE38](#)” in the SAP command field.



**Step 2:** ABAP Editor – Initial Screen appears on the screen. Now enter the following details

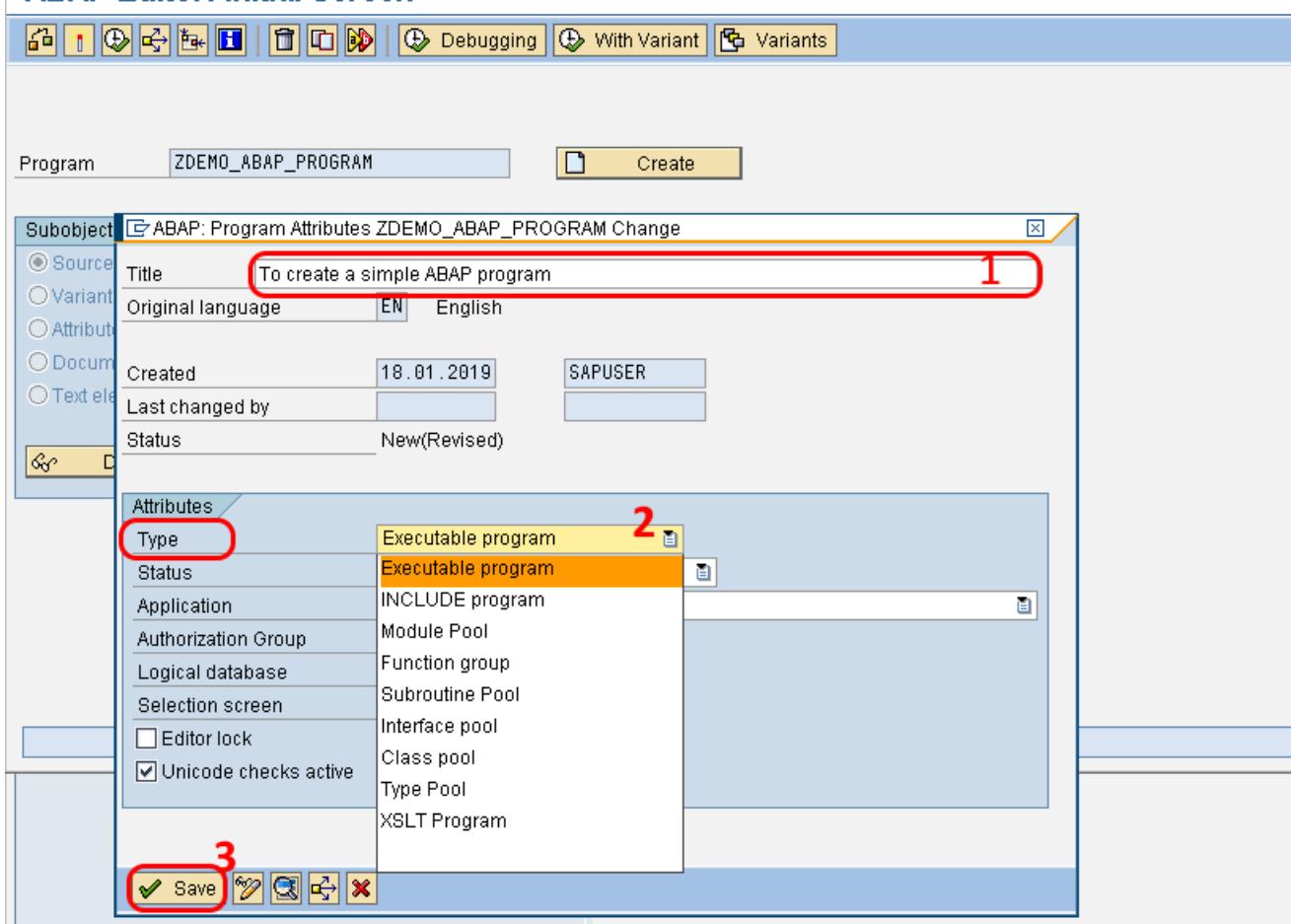
- Program: Enter the name of program name in the given box.
- Sub Objects: Choose the source code in the sub-objects.
- Now click on create button to create a new SAP ABAP program.



**Step 3:** A screen “ABAP Program Attributes ZDEMO\_ABAP\_Program change” opens. Enter the following details.

- Title: Update the title of ABAP program
- Type: Update the type of program as “Executable Program” which can be tested independently.
- After entering all the details for ABAP program, click on save icon

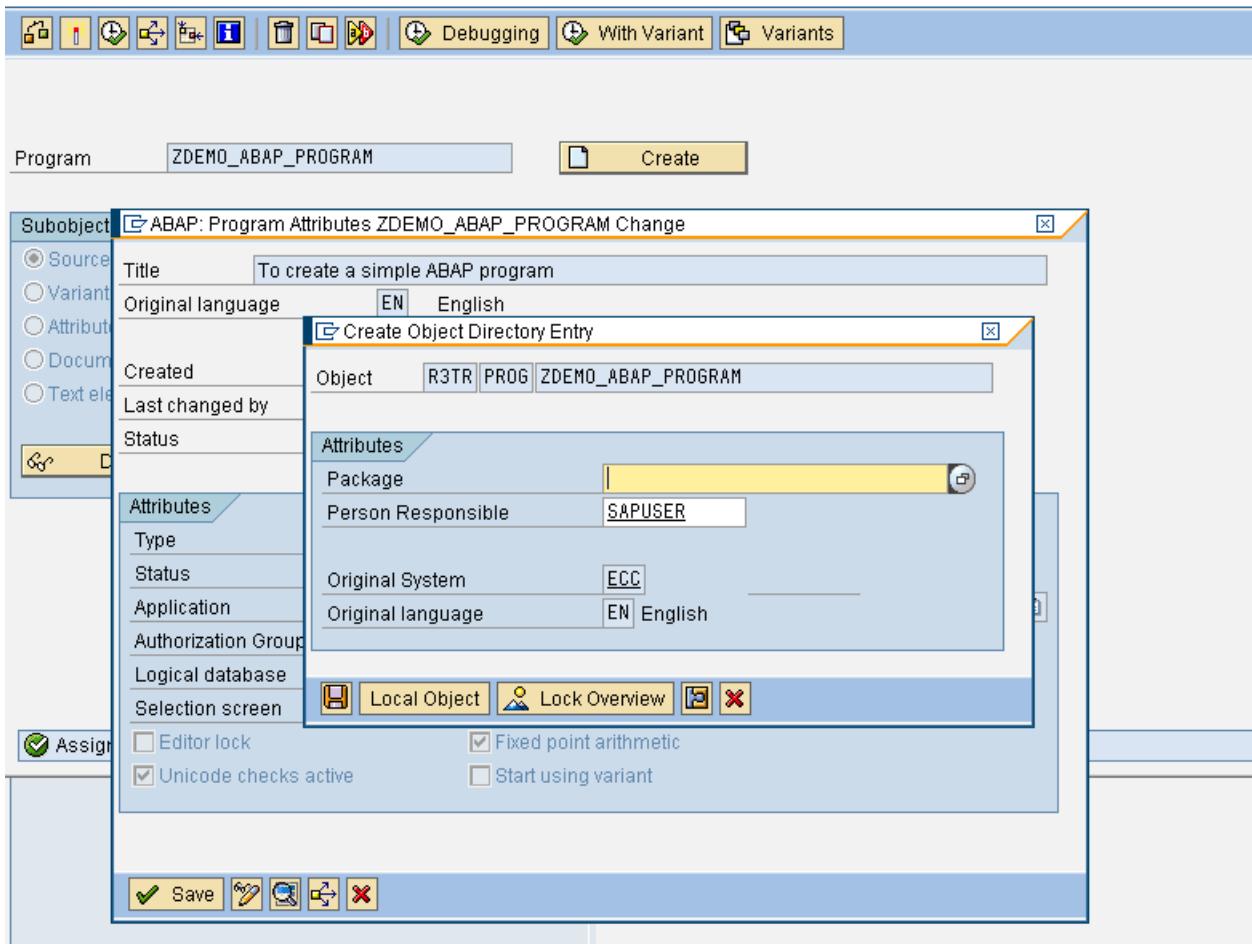
### ABAP Editor: Initial Screen



**Step 4:** A pop up screen displays “create object directory entry ” click on the local object option.

In Real time, we never select as local object to save the ABAP program ( it is not transportable from development to quality and quality to production).

## ABAP Editor: Initial Screen



Now the ABAP Editor for the current program ZDEMO\_ABAP\_PROGRAM open as follows.

## ABAP Editor: Change Report ZDEMO\_ABAP\_PROGRAM

```
*&
*& Report  ZDEMO_ABAP_PROGRAM
*&
*&
*&
*&
*&
*&
*&
REPORT  ZDEMO_ABAP_PROGRAM.
```

The screenshot shows the ABAP Editor displaying a change report for the program 'ZDEMO\_ABAP\_PROGRAM'. The title bar says 'ABAP Editor: Change Report ZDEMO\_ABAP\_PROGRAM'. The toolbar at the top has many icons. Below the toolbar, the report name 'ZDEMO\_ABAP\_PROGRAM' is shown with the status 'Inactive'. The main area contains the ABAP code: 'REPORT ZDEMO\_ABAP\_PROGRAM.' The bottom status bar indicates 'Ln 1, Co 1' and 'Ln 1 - Ln 10 of 10 lines'.

Write the simple program as follows.

## ABAP Editor: Change Report ZDEMO\_ABAP\_PROGRAM

The screenshot shows the SAP ABAP Editor interface. The title bar reads "ABAP Editor: Change Report ZDEMO\_ABAP\_PROGRAM". The toolbar contains various icons for file operations like save, print, and search. Below the toolbar, the status bar shows "Report" and "ZDEMO\_ABAP\_PROGRAM Inactive". A second toolbar below the status bar includes icons for copy, paste, and search. The main editor area displays the following ABAP code:

```
*&
*& Report  ZDEMO_ABAP_PROGRAM
*&
*&
*&
*&
*&
*&
REPORT  ZDEMO_ABAP_PROGRAM.

WRITE: / 'WELCOME TO TUTORIAL KART'.
WRITE: / 'BEST FREE SAP ABAP TRAINING TUTORIAL BY WWW.TUTORIALKART.COM'.|
```

After program source code is done, click on save icon or **ctrl+s** to save the ABAP program.

- To check the ABAP source code syntax errors, press **ctrl+f2** or choose icon .

To activate the ABAP program, click on activate icon or **ctrl+f3**.

The screenshot shows the SAP ABAP Editor interface. The title bar reads "ABAP Editor: Change Report ZDEMO\_ABAP\_PROGRAM". The toolbar has several icons, with the second one from the left highlighted by a red box. The report title "ZDEMO\_ABAP\_PROGRAM" is displayed above the code editor, which contains the following ABAP code:

```
*&
*& Report  ZDEMO_ABAP_PROGRAM
*&
*&
*&
*&
*&
*&
REPORT  ZDEMO_ABAP_PROGRAM.

WRITE: / 'WELCOME TO TUTORIAL KART'.
WRITE: / 'BEST FREE SAP ABAP TRAINING TUTORIAL BY WWW.TUTORIALKART.COM'.|
```

Annotations in red text are present: "Check Syntax Errors" points to the toolbar icon, and "Activate Code" points to the status bar at the bottom right.

After activating the program, you get the following screen. Now press enter to continue

## ABAP Editor: Change Report ZDEMO\_ABAP\_PROGRAM

The screenshot shows the SAP ABAP Editor interface. At the top, there is a toolbar with various icons. Below the toolbar, a title bar reads "Inactive Objects for SAPUSER". Underneath the title bar, there are two tabs: "Transportable Objects" and "Local objects", with "Local objects" being the active tab. A table titled "Object name" lists several objects:

D	Object	Obj. name	User
REPS	ZDEMO_ABAP_PROGRAM		SAPUSER
WDYD	ZDEMO		SAPUSER
WDYV	ZDEMO	EMPTYVIEW	SAPUSER
WDYV	ZDEMO	ZDEMO	SAPUSER

At the bottom of the editor window, there are several status icons.

To run the ABAP program, press the function key F8 or click on the icon direct processing.

The output of an ABAP program displays as follows

### To create a simple ABAP program

The screenshot shows the ABAP output window. The title bar says "To create a simple ABAP program". The main area contains the following text:

```
WELCOME TO TUTORIAL KART
BEST FREE SAP ABAP TRAINING TUTORIAL BY WWW.TUTORIALKART.COM
```

Successfully we have created new abap program in SAP and executed.

## SAP ABAP

↳ SAP ABAP Tutorial

## SAP ABAP Basics

↳ SAP ABAP Overview

↳ SAP ABAP operators

↳ SAP ABAP Keywords

↳ SAP ABAP Program structure

↳ SAP ABAP Syntax

↳ SAP ABAP WorkBench

## SAP ABAP Dictionary

↳ SAP ABAP data dictionary overview

↳ SAP ABAP Views

↳ SAP ABAP data types

↳ SAP ABAP database tables

↳ SAP ABAP create database tables

↳ SAP ABAP domains

↳ SAP ABAP data elements

↳ SAP ABAP Indexes

## SAP ABAP Internal Tables

↳ SAP ABAP - Overview of internal tables

↳ SAP ABAP Internal Table Operators

↳ SAP ABAP - Create Internal Table

## SAP ABAP Programming

↳ SAP ABAP - Create an ABAP Program

## SAP TCodes

↳ SAP TCodes

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