

Program Editor

In this view you can enter or edit a program in a convenient way. To show it, press the [P/R] key in the calculator's keyboard or select the "Program" item from the "Utilities / Editors" menu.





The screenshot shows the Program Editor interface with the following components and callouts:

- Close the view:** Points to the "Close" button in the top left.
- Save Program and close the view:** Points to the "Save" button in the top right.
- Action Menu:** Points to the "List" button with a right-pointing arrow and the text "Untitled" below it.
- Current program line:** Points to the line number "005" in the first column of the program listing.
- Program Listing:** Points to the "Keystrokes" column of the program listing.
- Dynamic Keypad to enter program instructions:** Points to the "5" key on the numeric keypad.

#	Code	Keystrokes
001	36	ENTER
002	3	3
003	0	0
004	20	x
005	42 31	F PSE
006	0	0
007	48	.
008	4	4
009	7	7
010	20	x
011	22 000	GTO 0 0 0

Calculator Keypad:

\sqrt{x}	e^x	10^x	y^x	1/X
%	GTO	SIN	COS	TAN
R/S	SST	R↓	X \rightleftharpoons Y	CLX
CHS	7	8	9	÷
FXX	4	5	6	x
STO	1	2	3	-
RCL	0	.	$\Sigma+$	+
ENTER				F
Add	insert	Clear	Delete	

[ Name ▶]	Program Editor action menu.
 New	Clears the editor to enter a new program.
 Name...	Shows a pop-up view to name the program.
> Load	Shows a submenu to load a previously saved program.
 Delete	Delete the current program list.
[Close]	Close the Editor.
[Save]	Save the program to the calculator and close the editor.
[Add]	Add a new program line at the end of the listing.
[Delete]	Remove the selected program line from the listing.
[Insert]	Insert a new program line before the selected one.
[Clear]	Clears the selected program line.



Example 1:


Build a program to calculate the area of the base and the volume of cylindrical shape can. The input data is the radius of the base and the height of the can. Calculate the area and volume for for two cans. One of height 25 and radius 10. the other of height 8 and radius 4.5.

Solution:













First, enter the program for calculating the volume ($\pi \cdot \text{radius}^2 \cdot \text{height}$) following the next sequence:

First, open the **Program Editor** touching the [**P / R**] key in the calculator's keyboard or, select the "New..." item in the "Program" menu. Then, enter the program following the next sequence:

Keys	Comment
[P / R]	Shows the Program Editor view.
[ Name ▶]  New	Clears the program listing and let it ready to enter key-strokes.

Keys	Comment
[F] [x ²]	Square of number in stack-X (radius).
[F] [π]	Enters the number Pi.
[x]	Calculates the area of the base, π•(radius) ² .
[R / S]	Stops the program to show the base area.
[x]	Calculates the final volume (height in stack-Y).
[ Name ►] Name...	Shows a Name entry form to name the program.
Type "Help-Example" and [Save]	Name the program "Help-Example".

After the above sequence, the Program Editor view should be as follow:

Program Editor			
Close		 List ► Help-Example	Save
#	Code	Keystrokes	
001	42 11	 	
002	42 16	 	
003	20		
004	31		
005	20		
006	22 000	   	

Finally, tap the [Save] button to close the view and save the program to the calculator's program memory.

Now that we have the above program in the calculator's program memory, we can calculate the area and the volume of the given cans:

Solution: (Assuming FIX format with 4 decimals)

Keystrokes	Display	Description
Type 25 [ENTER] 10	10,0000	Enter the height and the radius of the 1 st can (height in stack-Y and the radius in stack-X).
[R/S]	Running...	Executes the program with label "A".
	314,1593	Program stops showing the 1 st can base area.
[R/S]	Running...	Resume program execution.
	7.853,9816	Program halts showing the volume of the 1 st can.
Type "8" [ENTER] 4.5	4,5	Enter the height and the radius of the 2 nd can (height in stack-Y and the radius in stack-X).
[R/S]	Running...	Executes the program "A"
	63,6173	Program stops showing the 2 nd can base area.
[R/S]	Running...	Resume program execution.
	508,9380	Program halts showing the volume of the 2 nd can.