

Unit 1: Program Basics

Skill Builder 1: Introducing the Program Editor

In this first lesson for Unit 1, you will learn about the TI-Nspire™ CX Basic Program Editor and how to write, store and run your first program.

Objectives:

- Launching the Program Editor from the Calculator app
- Write your first program
- Store and run a program

Introducing the Program Editor

Start a **New Document** and add a **Calculator** app.

In the *Calculator* app, start a new program by selecting:

menu> Functions & Programs> Program Editor> New...

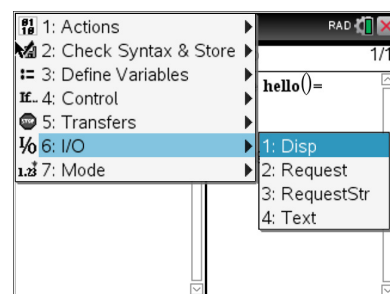
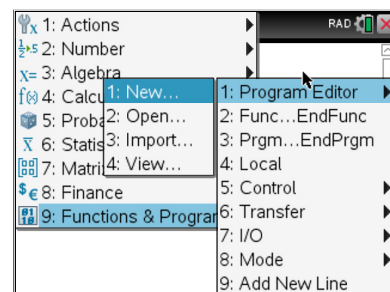
In the Name: field, type the name of your first program, **hello**, and select [enter].

Leave the Type as Program and the Library Access as **None**. We'll discuss Type and Library Access in later lessons.

Your screen should now look like the image to the right. The left side is the *Calculator* app and the right side is the *Program Editor*. You will edit the program in the *Program Editor* and run the program in the *Calculator*. This makes it easy to test the program as you write it.

On the handheld, you can press **ctrl-tab** to switch between the pane(s). An app is selected when it has a dark outline.

Your program code belongs inside the **Prgm ... EndPrgm** block within the editor. With your text cursor inside the dotted box in the editor, select **menu> I/O> Disp**.



10 Minutes of Code

TI-NSPIRE TECHNOLOGY

Type the quotation (literal string) template “ ” by pressing **ctrl** and then the **multiplication** key and then, inside the quotes, type the text **hello, world**.

Before running any edited program, you must first ‘store’ the program to memory. To store the program select **menu> Check Syntax & Store> Check Syntax & Store** (or use the shortcut **ctrl-B** on the handheld.)

To run the program, switch to the *Calculator app*, type the name of the program on the bottom (edit) line followed by a left parenthesis and then select [enter]. If all was done correctly, then your program displays ‘**hello, world!**’ as the result of the program execution.

Save the document as **hello program**.

Congratulations! You’ve written your first TI-Nspire™ CX Basic program!

UNIT 1: SKILL BUILDER 1

STUDENT ACTIVITY

