

Unit 1: Program Basics

Skill Builder 1: Introducing the Program Editor

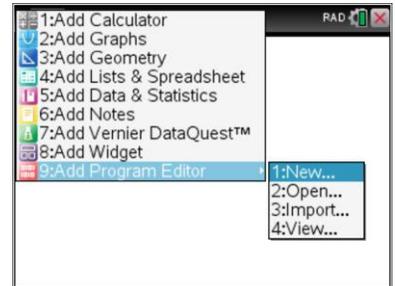
In this first lesson for Unit 1, you will learn about the TI-Nspire™ CX Program Editor and how to write, store and run your first program.

**Objectives:**

- Launch the TI-Nspire Program Editor
- Write your first program
- Store and run a program

**Introducing the Program Editor**

1. Start a **New Document**, and select **Add Program Editor > New....**



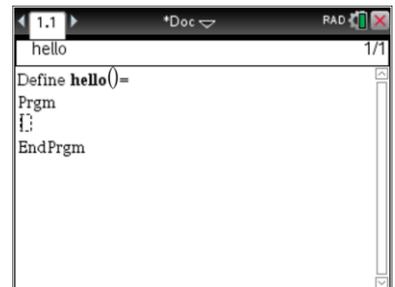
2. In the Name field, type the name of your first program, **hello**.

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



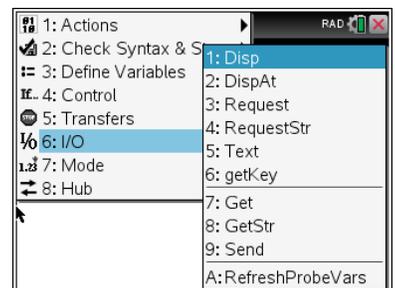
4. Click **OK**, or press **enter**.

Your screen should now look like the image to the right. Your program code belongs inside the **Prgm...EndPrgm** block within the editor. You cannot type anything outside this area (with one exception we'll discuss later). These keywords cannot be edited.



All programming commands are found in the menu.

5. With the text cursor inside the dotted box in the editor, select **menu > I/O > Disp**. The keyword **Disp** is pasted into your program.



# 10 Minutes of Code

TI-NSPIRE™ TECHNOLOGY

## UNIT 1: SKILL BUILDER 1

### STUDENT ACTIVITY

- Next, type the quotation (literal string) template “ “ by pressing **ctrl** and then the **multiplication** key.
- Inside the quotes, type the text **Hello, World!** Use the shift key for capital letters, and press the  key to select the exclamation point.

Note: You *must* type the quotes before typing the text.

- Before running any 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**). You should see “<program name>” stored successfully’ at the top of the screen.

Note: An asterisk (\*) in front of the program name indicates that the program has changed but has not been stored.

- To run the program press **ctrl+R**. This is a shortcut for **menu > Check Syntax & Store > Run** which checks syntax (grammar), stores the program, adds a Calculator app on a new page after the Program Editor page, and pastes the program name into the Calculator app. Press **enter** to run the program.

The word *Done* indicates that the program has completed.

- To view or edit the program, switch to the previous page by pressing **ctrl+left arrow** or by clicking the page number tab at the top of the screen.
- Save the document as **hello program**. This ensures that you will have access to this program in the future.

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

