

The Print Function



Powered by AFRL NM STEM Academy

The Print Function

A computer program is a list of instructions that will be executed to perform a task.

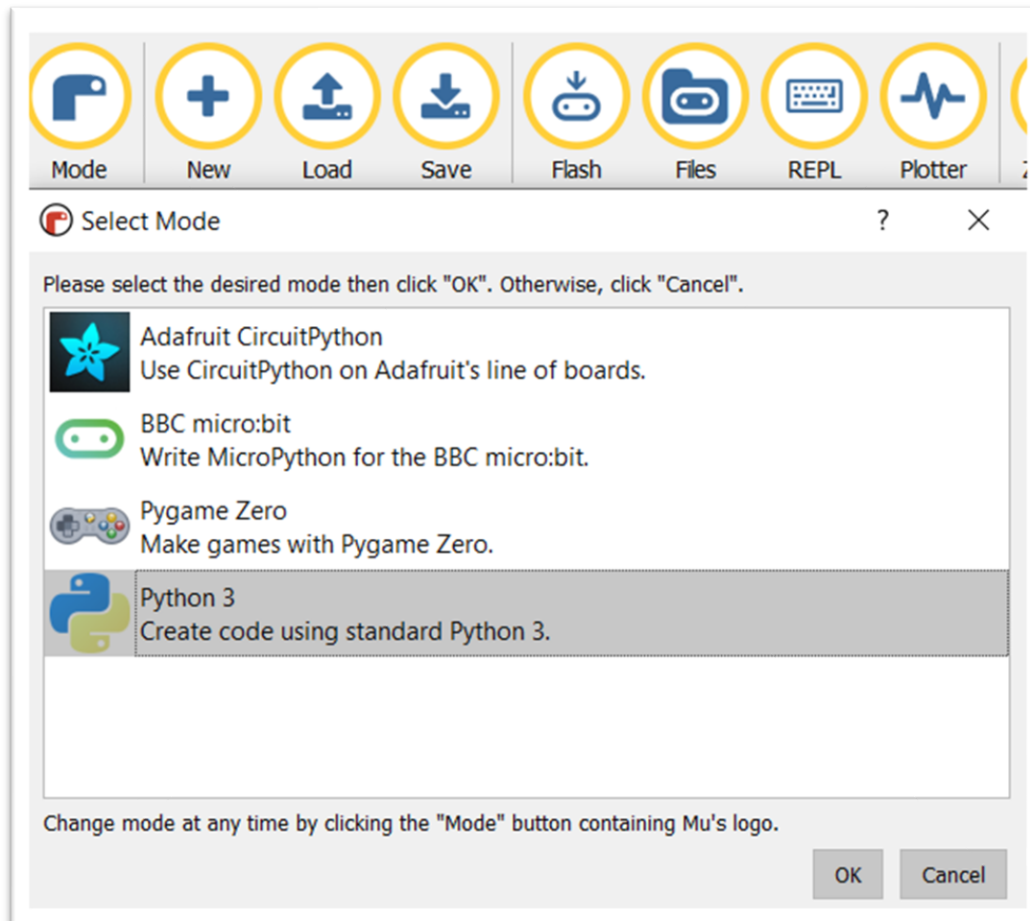
Below is your first program.

```
# First Program - This program will display a message.  
print("Hello World!")
```

- The '#' symbol is used for descriptive comments or documentation to help others understand your program.
- The print function will display whatever is enclosed inside the parentheses.
- Use quotation marks to display text messages.

The Print Function

If you are using the Mu editor, click on the **Mode** button, select the Python 3 mode and click on the **OK** button.



The Print Function

Copy and paste the below code into your Python editor, save the program and click on the **Run** button.

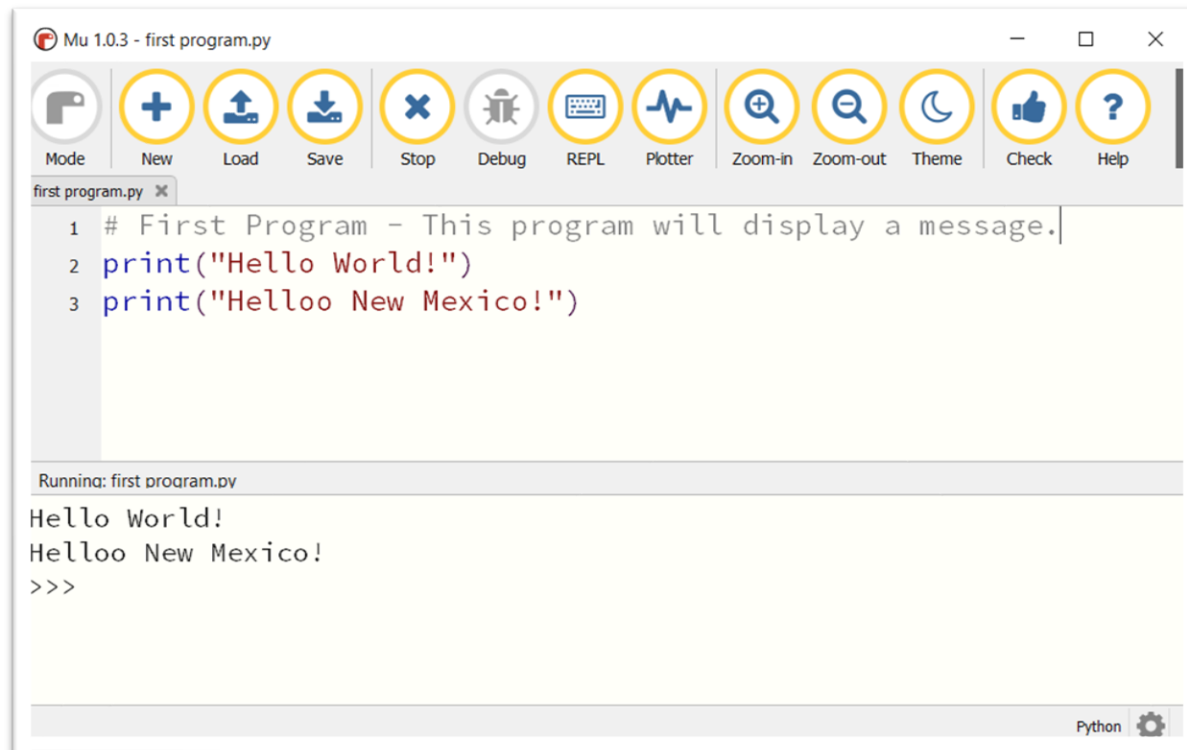
```
# First Program - This program will display a message.  
print("Hello World!")
```

Your message should appear in a window below or to the right of your editor window.

If not or if you get an error, make sure that you are using the above code.

The Print Function

- Now include another print function that will display another message.
- I added “Helloo New Mexico!”.
- Save the program, click on **Stop** and then **Run**.
- The **Stop** button changes into the **Run** button.



The Print Function

- If you have text that needs to be separated on new lines, you can use separate print functions to create new lines or use “\n” in one print function.
- Copy, paste, save and run the following program.

```
#Print functions
```

```
print("This will print on the first line.\nThis will print on the  
second line.")
```

The Python Prompt

- The greater than symbols below the results of your program represent a Python prompt.
- The window area is called the Python shell.
- The Python shell is opened whenever you run a program and it closes when you stop the program.
- The prompt allows Python code to run one statement at a time.
- Type a print function at the Python prompt and press the **Enter** key.



```
1 #Print functions
2 print("This will print on the first line.\nThis will print on the second line.")

Running: print functions.py
This will print on the first line.
This will print on the second line.
>>> print("This is the Python Shell.")
This is the Python Shell.
>>>
```

The screenshot shows a Python shell window. The top part contains a code editor with two lines of Python code: a comment and a print statement. Below the code editor, the output of the program is shown: "This will print on the first line." followed by "This will print on the second line." on the next line. Below the output, the Python prompt ">>>" is shown, followed by the user input "print('This is the Python Shell.')." which is highlighted with a red box. The output of this input is "This is the Python Shell." followed by another ">>>" prompt. The bottom right corner of the window shows the word "Python" and a gear icon.

