



GIMP 2.10 Plugin Primer

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Annotated Hello World Plugin Code: hello_world.py

```
#!/usr/bin/env python

# This is a hello world plugin-in using gimpfu, a python interface package [1-3].
# [1] A good primer on python-plugins: https://www.gimp.org/docs/python/index.html
# NB: Example code on-line are extremely GIMP version dependent; this script uses
# GIMP-2.10. But not to worry, you can lookup the correct syntax by searching
# through GIMP's procedure browser (Help -> Procedure Browser), and adjust the examples
# accordingly.
# [2] Mac OS X Notes:
# a) Installing.
# To run this on Mac OS X, place this script_name.py in
# /Users/<USERNAME>/Library/Application Support/GIMP/2.10/plug-ins
# and make it executable (i.e., chmod 755 it).
# b) Debugging.
# To debug start gimp on the command line, i.e.,
# $ /Applications/GIMP-2.10.app/Contents/MacOS/gimp --verbose --console-messages
# assuming you did a standard GIMP install.
# c) Executing.
# In GIMP do,
# File -> Create -> "Hello world..."
# d) Notes on Mac OS X and other platforms.
# https://en.wikibooks.org/wiki/GIMP/Installing\_Plugins
# [3] Cheat Sheet: http://gimpbook.com/scripting/
#
```

Hello World Script

Annotated Hello World Plugin Code: hello_world.py

```
from gimpfu import *

# hello world plugin source code
def hello_world(initstr,font,size,color):
    img = gimp.Image(1,1,RGB)
    gimp.set_foreground(color)
    # note: this is a gimp procedure-database (pdb) function, as in, you can use the
    #   procedure browser in gimp to get its definition information.
    layer = pdb.gimp_text_fontname(img,None,0,0,initstr,10,True,size,PIXELS,font)
    img.resize(layer.width, layer.height, 0, 0)
    # print to the console
    print "HELLO WORLD!"
    # display as image
    gimp.Display(img)
```

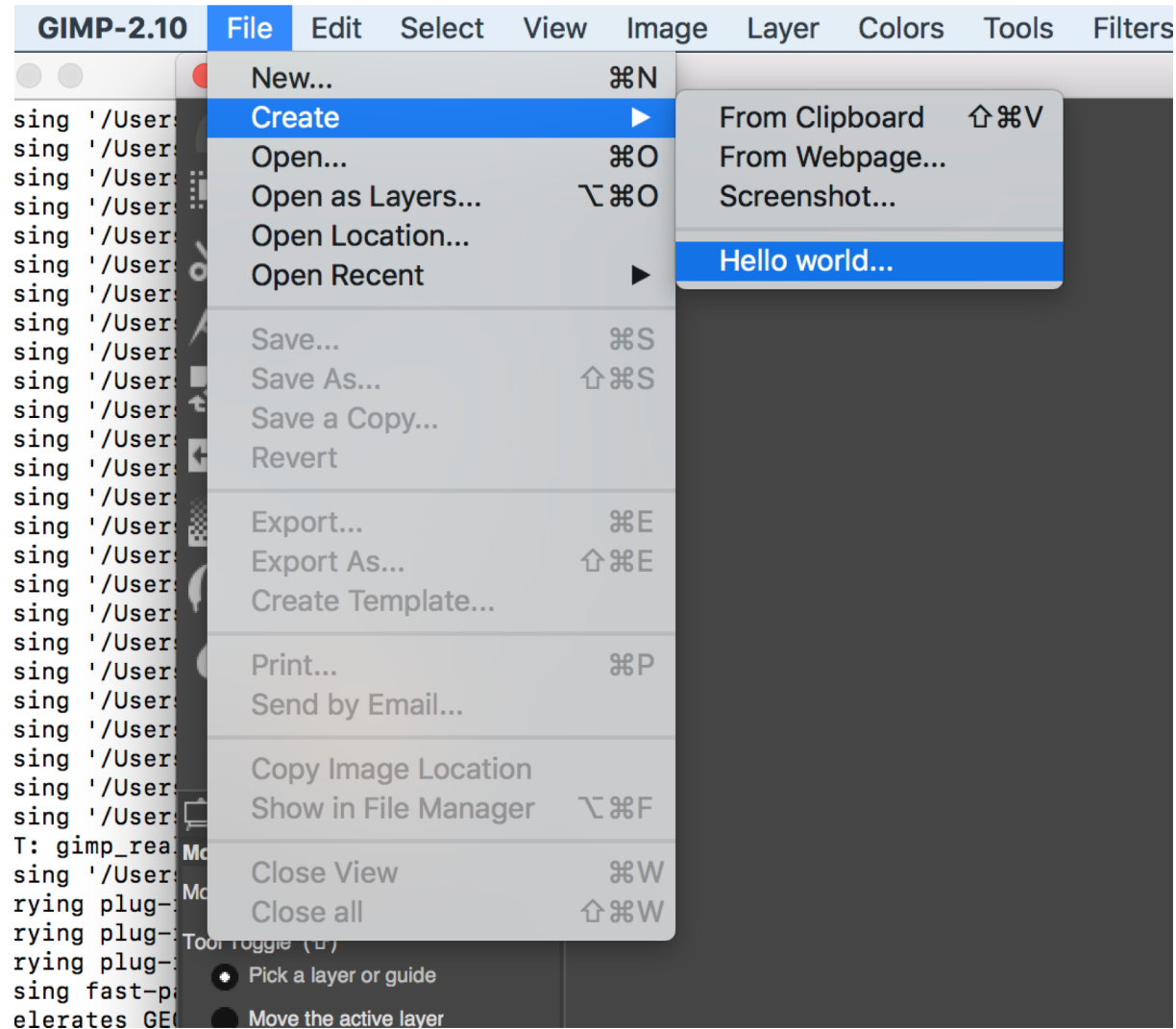
Registration/Installing

Annotated Hello World Plugin Code: hello_world.py

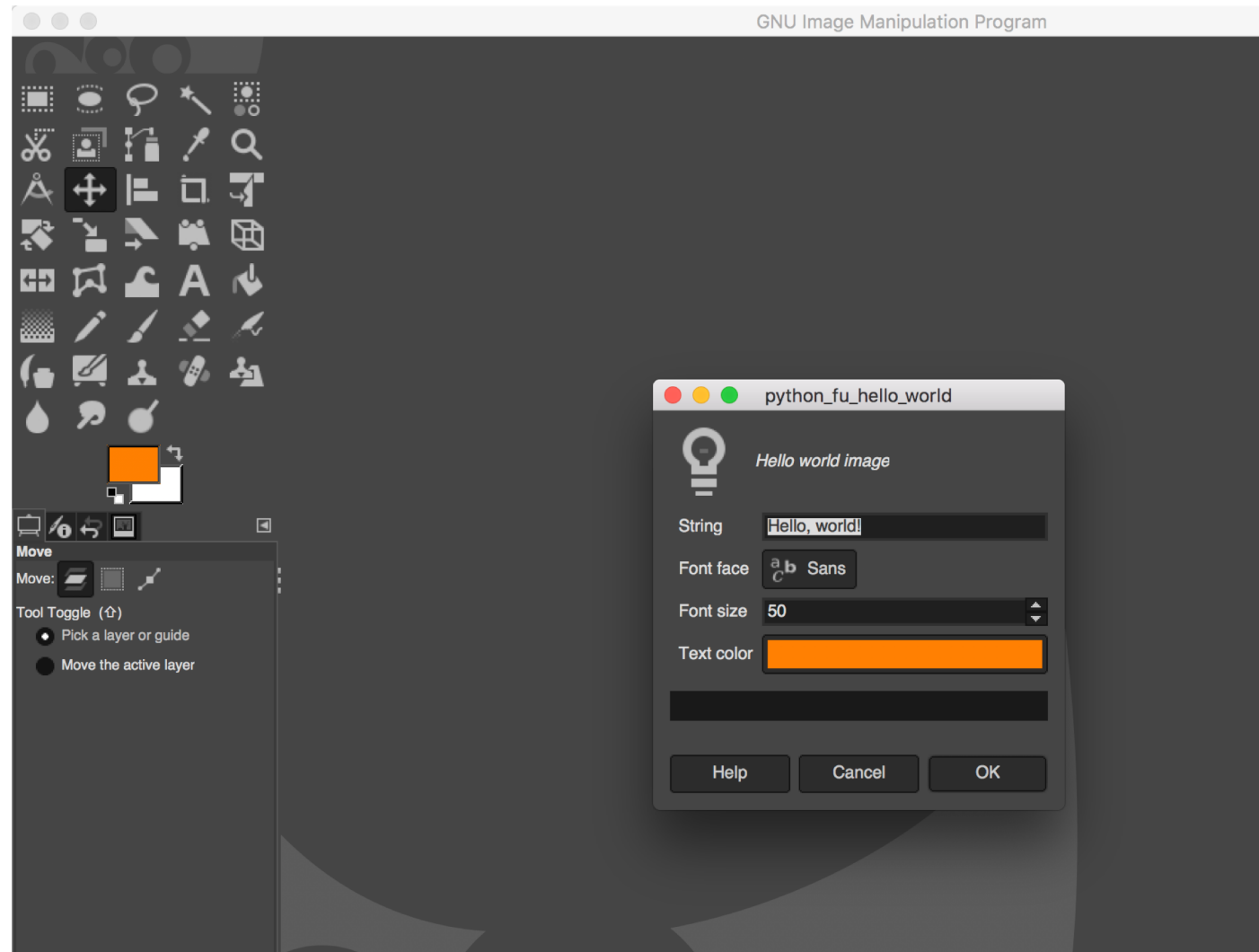
```
# plugin registration
register(
    # unique plugin name
    "python_fu_hello_world",
    # brief description.
    "Hello world image",
    # detail description
    "Create an image with a user-provided string",
    # author, copyright, date
    "Bart Simpson", "That Dam Dog Inc.", "2050",
    # pulldown menu label
    "Hello world...",
    "",
    # parameter-template for dialogue box mapping to function arguments.
    [
        (PF_STRING, "string", "String", 'Hello, world!'),
        (PF_FONT, "font", "Font face", "Sans"),
        (PF_SPINNER, "size", "Font size", 50, (1,3000,1)),
        (PF_COLOR, "color", "Text color", (1.0,0.5,0.0))
    ],
    [],
    # the function
    hello_world,
    # pulldown menu location
    menu="<Image>/File/Create"
)

# start/install the plugin
main()
```

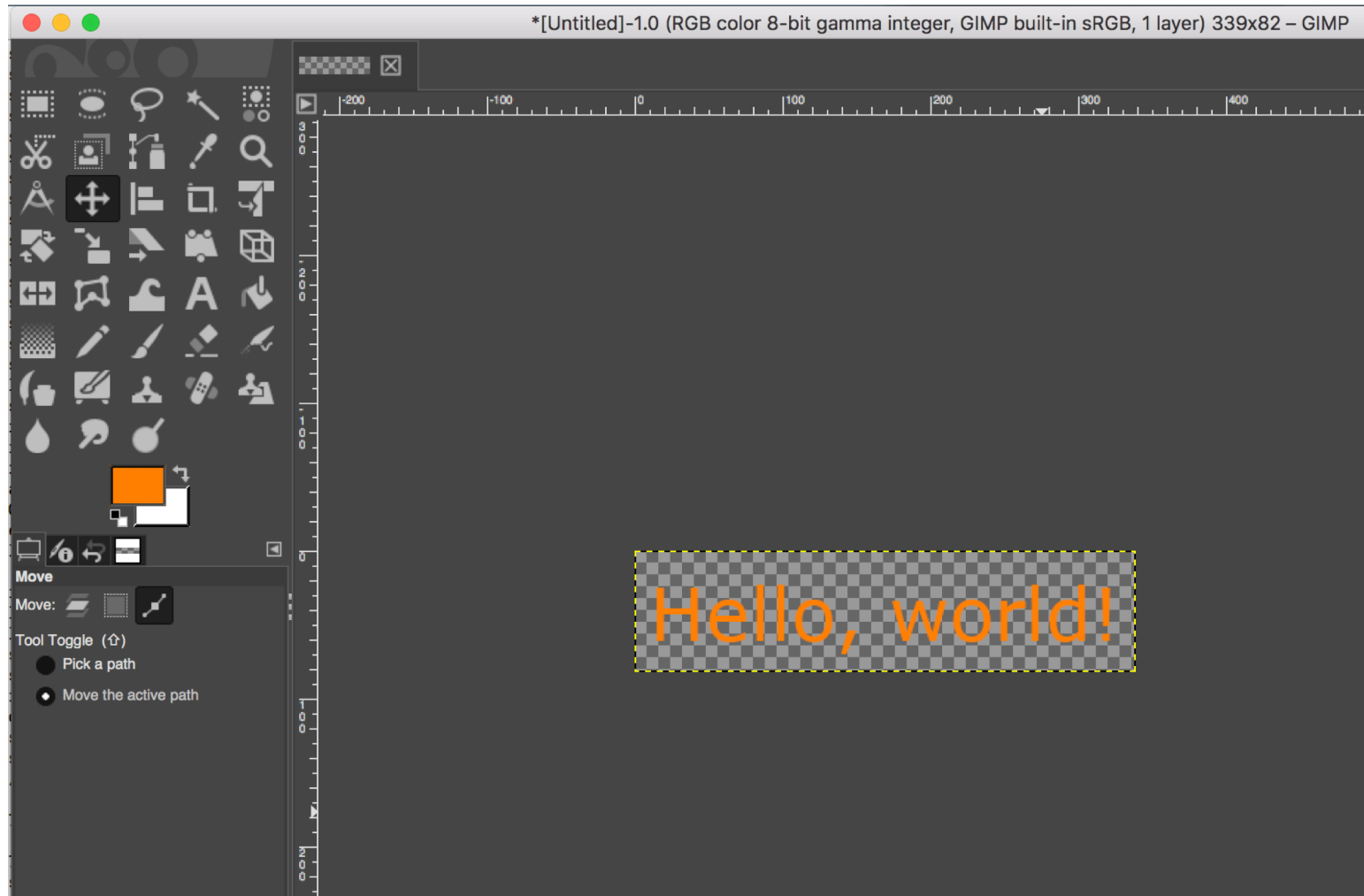
Execution



Execution



Execution



Console

```
*WARNING* missing babl fas
2019-02-05 12:08:38.582 py
t should not be used in ne
HELLO WORLD!
```