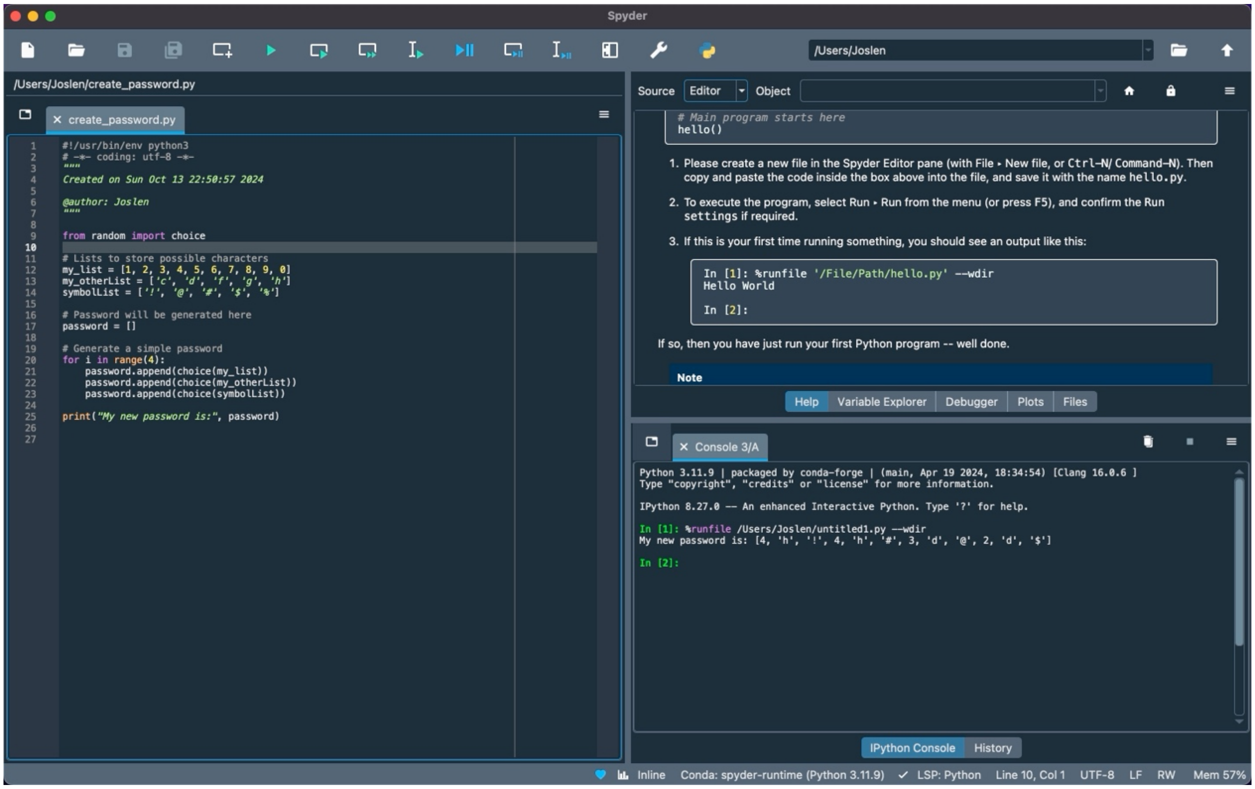
Joslen Tardencilla

Create three python files:

1. A file where you create your unique password. (View Lab 5 Help File 1)



```python
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
Created on Sun Oct 13 22:50:57 2024

@author: Joslen
"""

from random import choice

# Lists to store possible characters
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 0]
my_otherList = ['c', 'd', 'f', 'g', 'h']
symbolList = ['!', '@', '#', '$', '%']

# Password will be generated here
password = []

# Generate a simple password
for i in range(4):
    password.append(choice(my_list))
    password.append(choice(my_otherList))
    password.append(choice(symbolList))

print("My new password is:", password)
```

```
# Main program starts here
hello()
```

1. Please create a new file in the Spyder Editor pane (with File ▸ New file, or `Ctrl-N`/ Command-N). Then copy and paste the code inside the box above into the file, and save it with the name `hello.py`.
2. To execute the program, select Run ▸ Run from the menu (or press F5), and confirm the Run `settings` if required.
3. If this is your first time running something, you should see an output like this:

```
In [1]: %runfile '/File/Path/hello.py' --wdir
Hello World

In [2]:
```

If so, then you have just run your first Python program -- well done.

Note

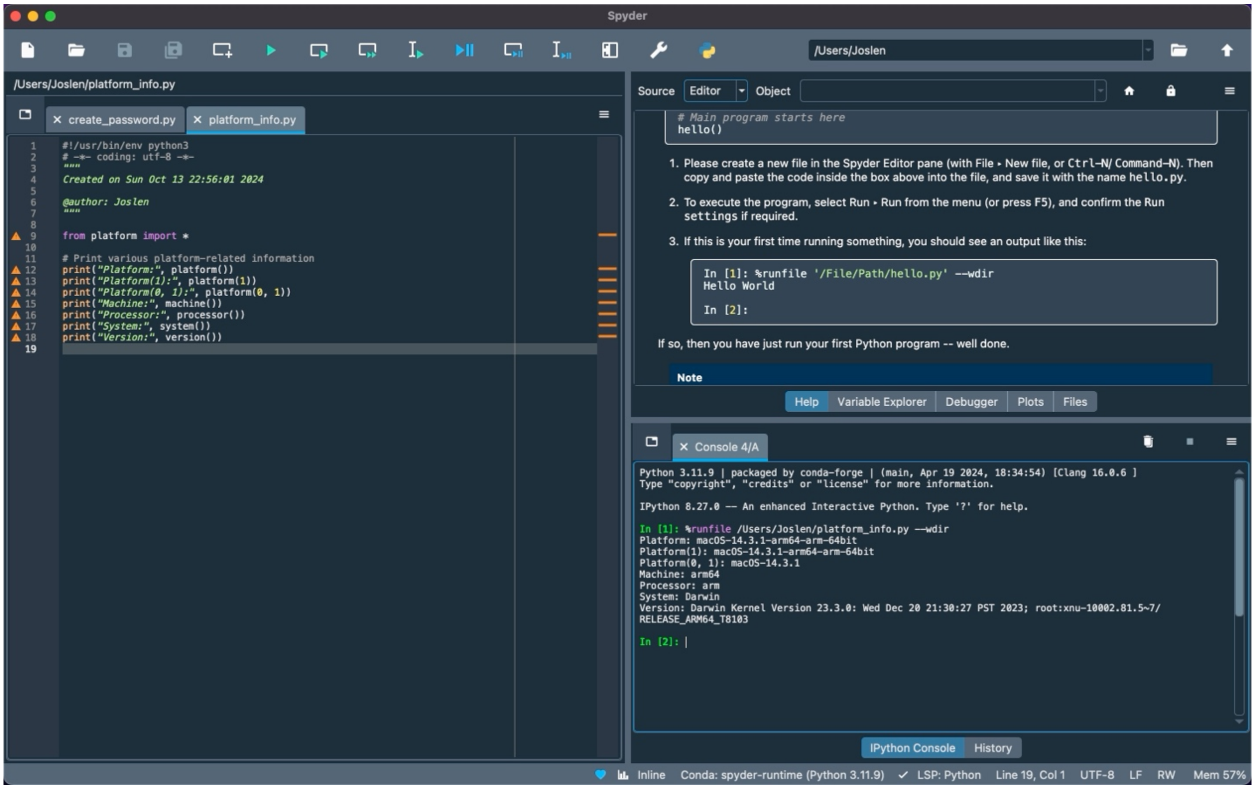
```
Python 3.11.9 | packaged by conda-forge | (main, Apr 19 2024, 18:34:54) [Clang 16.0.6 ]
Type "copyright", "credits" or "license" for more information.

IPython 8.27.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: %runfile /Users/Joslen/untitled1.py --wdir
My new password is: [4, 'h', '!', 4, 'h', '#', 3, 'd', '@', 2, 'd', '$']

In [2]:
```

2. A file where you show the output of the platform module's functions. Please do this on your home system. (View Lab 5 Help File 2)



```python
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
Created on Sun Oct 13 22:56:01 2024

@author: Joslen
"""

from platform import *

# Print various platform-related information
print("Platform:", platform())
print("Platform(1):", platform(1))
print("Platform(0, 1):", platform(0, 1))
print("Machine:", machine())
print("Processor:", processor())
print("System:", system())
print("Version:", version())
```

```
# Main program starts here
hello()
```

1. Please create a new file in the Spyder Editor pane (with File ▸ New file, or `Ctrl-N`/ Command-N). Then copy and paste the code inside the box above into the file, and save it with the name `hello.py`.
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```
In [1]: %runfile '/File/Path/hello.py' --wdir
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If so, then you have just run your first Python program -- well done.

Note

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Type "copyright", "credits" or "license" for more information.

IPython 8.27.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: %runfile /Users/Joslen/platform_info.py --wdir
Platform: macOS-14.3.1-arm64-arm-64bit
Platform(1): macOS-14.3.1-arm64-arm-64bit
Platform(0, 1): macOS-14.3.1
Machine: arm64
Processor: arm
System: Darwin
Version: Darwin Kernel Version 23.3.0: Wed Dec 20 21:30:27 PST 2023; root:xnu-10002.81.5~7/
RELEASE_ARM64_T8103

In [2]: |
```
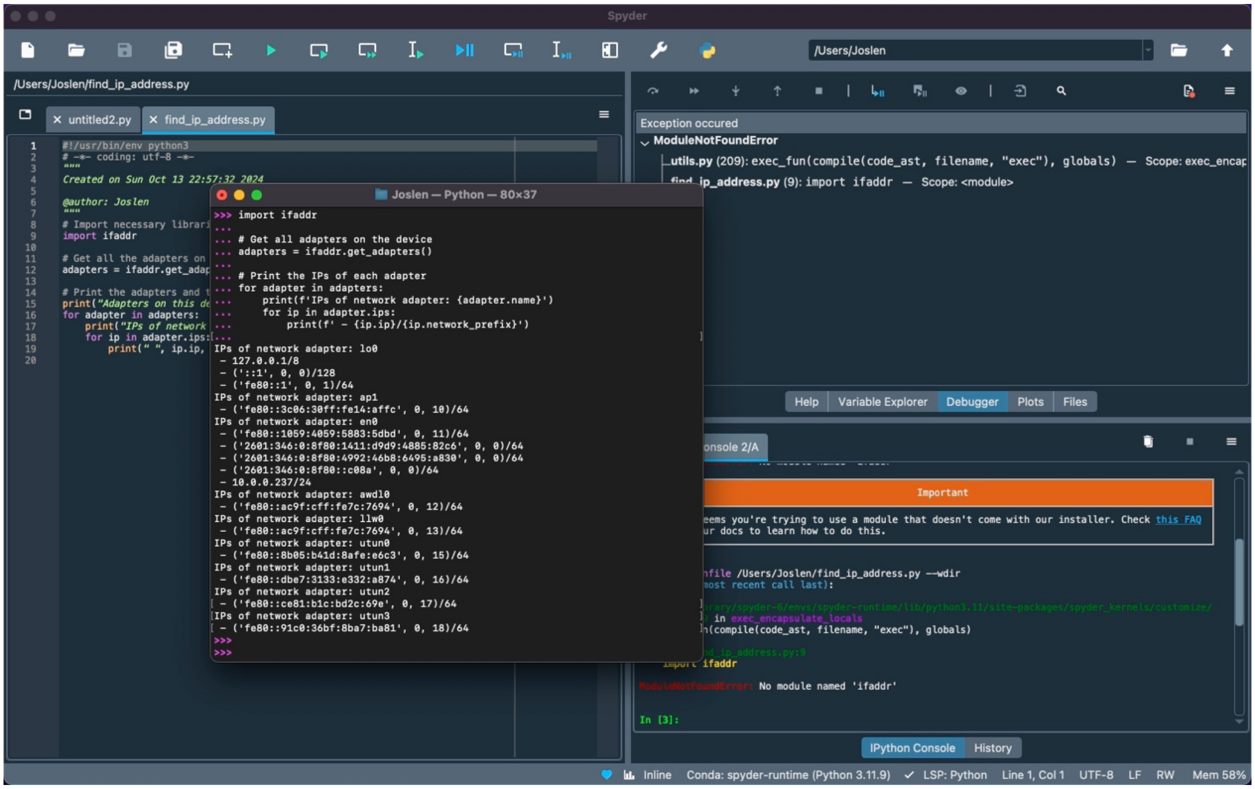

3. A file where you use pip to install a package and find the IP addresses on your machine. (View Lab 5 Help File 3) *I had to manually install ifadder to get this to

work.



```
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
"""
Created on Sun Oct 13 22:57:32 2024

@author: Joslen
"""
# Import necessary librari
import ifaddr

# Get all the adapters on
adapters = ifaddr.get_adap

# Print the adapters and t
print("Adapters on this de
for adapter in adapters:
    print("IPs of network
    for ip in adapter.ips:
        print(" ", ip.ip,
```

```
Exception occured
ModuleNotFoundError
  utils.py (209): exec_fun(compile(code_ast, filename, "exec"), globals) — Scope: exec_encap
  find_ip_address.py (9): import ifaddr — Scope: <module>
```

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```
>>> import ifaddr
...
... # Get all adapters on the device
... adapters = ifaddr.get_adapters()
...
... # Print the IPs of each adapter
... for adapter in adapters:
...     print(f'IPs of network adapter: {adapter.name}')
...     for ip in adapter.ips:
...         print(f' - {ip.ip}/{ip.network_prefix}')
...
IPs of network adapter: lo0
 - 127.0.0.1/8
 - ('::1', 0, 0)/128
 - ('fe80::1', 0, 1)/64
IPs of network adapter: ap1
 - ('fe80::3c06:30ff:fe14:affc', 0, 10)/64
IPs of network adapter: en0
 - ('fe80::1059:4059:5883:5dbd', 0, 11)/64
 - ('2601:346:0:8f80:1411:d9d9:4885:82c6', 0, 0)/64
 - ('2601:346:0:8f80:4992:46b8:6495:a830', 0, 0)/64
 - ('2601:346:0:8f80::c08a', 0, 0)/64
 - 10.0.0.237/24
IPs of network adapter: awdl0
 - ('fe80::ac9f:cff:fe7c:7694', 0, 12)/64
IPs of network adapter: llw0
 - ('fe80::ac9f:cff:fe7c:7694', 0, 13)/64
IPs of network adapter: utun0
 - ('fe80::8b05:b41d:8afe:e6c3', 0, 15)/64
IPs of network adapter: utun1
 - ('fe80::dbe7:3133:e332:a874', 0, 16)/64
IPs of network adapter: utun2
 - ('fe80::ce81:b1c:bd2c:69e', 0, 17)/64
IPs of network adapter: utun3
 - ('fe80::91c0:36bf:8ba7:ba81', 0, 18)/64
>>>
>>>
```

```
                              Important
eems you're trying to use a module that doesn't come with our installer. Check this FAQ
ur docs to learn how to do this.

nfile /Users/Joslen/find_ip_address.py --wdir
most recent call last):

rary/spyder-6/envs/spyder-runtime/lib/python3.11/site-packages/spyder_kernels/customize/
 in exec_encapsulate_locals
n(compile(code_ast, filename, "exec"), globals)

nd_ip_address.py:9
  import ifaddr

ModuleNotFoundError: No module named 'ifaddr'


In [3]:
```