

Jupyter QtConsole 5.5.0
Python 3.8.17 (default, Jul 5 2023, 20:44:21) [MSC v.1916 64 bit (AMD64)]
Type 'copyright', 'credits' or 'license' for more information
IPython 8.12.2 -- An enhanced Interactive Python. Type '?' for help.

In [1]: ls

Volume in drive C has no label.
Volume Serial Number is 1AD9-CBDD

Directory of C:\Users\ijzep

2024-02-11	04:07 PM	<DIR>	.
2023-09-28	12:09 AM	<DIR>	..
2023-10-08	12:07 AM	<DIR>	.anaconda
2024-02-11	04:07 PM	<DIR>	.astropy
2024-02-11	01:57 PM	<DIR>	.cache
2024-02-10	09:37 PM	<DIR>	.conda
2023-10-08	12:07 AM		25 .condarc
2023-10-08	12:06 AM	<DIR>	.continuum
2023-10-19	11:18 AM	<DIR>	.ipynb_checkpoints
2023-10-19	11:19 AM	<DIR>	.ipython
2024-02-11	04:10 PM	<DIR>	.jupyter
2024-02-09	03:41 PM	<DIR>	.keras
2023-09-28	12:44 PM	<DIR>	.MakeMKV
2024-02-11	01:57 PM	<DIR>	.matplotlib
2024-01-23	11:52 PM	<DIR>	.vscode
2023-10-19	11:18 AM	<DIR>	_GTA
2024-02-09	03:33 PM	<DIR>	_IA_LAMBTON
2024-02-11	03:11 PM	<DIR>	anaconda3
2023-09-28	12:17 AM	<DIR>	ansel
2023-09-27	11:52 PM	<DIR>	Contacts
2023-09-27	11:54 PM	<DIR>	Documents
2024-02-11	02:40 PM	<DIR>	Downloads
2023-09-27	11:52 PM	<DIR>	Favorites
2024-01-23	11:52 PM	<DIR>	HANSON
2023-09-27	11:52 PM	<DIR>	Links
2023-12-03	10:37 PM	<DIR>	Muse test 1
2024-01-19	07:36 PM	<DIR>	Music
2023-11-11	08:27 PM	<DIR>	My project
2023-09-28	01:27 PM	<DIR>	OneDrive
2024-01-24	12:12 AM	<DIR>	Postman
2023-09-27	11:52 PM	<DIR>	Saved Games
2023-09-28	12:09 AM	<DIR>	Searches
2024-02-11	11:19 AM	<DIR>	Videos
		1 File(s)	25 bytes
		32 Dir(s)	35,659,599,872 bytes free

In [2]: cd _IA_LAMBTON
C:\Users\ijzep_IA_LAMBTON

In [3]: dit

NameError Traceback (most recent call last)
Cell In[3], line 1
----> 1 dit

NameError: name 'dit' is not defined

In [4]: dir
Out[4]: <function dir>

In [5]: ls

Volume in drive C has no label.
Volume Serial Number is 1AD9-CBDD

Directory of C:\Users\ijzep_IA_LAMBTON

2024-02-09	03:33 PM	<DIR>	.
------------	----------	-------	---

```
2024-02-11 04:07 PM <DIR> ..
2024-02-09 03:30 PM <DIR> .ipynb_checkpoints
2024-02-11 04:32 PM <DIR> Capstone
0 File(s) 0 bytes
4 Dir(s) 35,646,709,760 bytes free
```

```
In [6]: cd Capstone/
C:\Users\ijzep\_IA_LAMBTON\Capstone
```

```
In [7]: ls
Volume in drive C has no label.
Volume Serial Number is 1AD9-CBDD
```

Directory of C:\Users\ijzep_IA_LAMBTON\Capstone

```
2024-02-11 04:32 PM <DIR> .
2024-02-09 03:33 PM <DIR> ..
2024-02-11 02:42 PM <DIR> .ipynb_checkpoints
2024-02-09 11:28 AM 2,130,757,290 Fruits and Vegetables Image Recognition Dataset.zip
2024-02-09 04:25 PM 120,506,888 FVIR_model_0902_0-01.h5
2024-02-09 03:35 PM <DIR> FVIRD
2024-02-10 02:15 AM 47,586 ingredient_classification.ipynb
2024-02-11 04:32 PM <DIR> SAM
2024-02-11 04:32 PM 1,334,798 SAM_predictor_example.ipynb
2024-02-10 11:30 PM <DIR> sam_test
2024-02-11 02:06 PM 10,111 SAM_test_2.ipynb
2024-02-11 04:05 PM <DIR> SAM_test_vw_0
2024-02-11 02:05 PM 10,310 Sam_test1.ipynb
6 File(s) 2,252,666,983 bytes
7 Dir(s) 35,646,697,472 bytes free
```

```
In [8]: cd SAM
C:\Users\ijzep\_IA_LAMBTON\Capstone\SAM
```

```
In [9]: ls
Volume in drive C has no label.
Volume Serial Number is 1AD9-CBDD
```

Directory of C:\Users\ijzep_IA_LAMBTON\Capstone\SAM

```
2024-02-11 04:32 PM <DIR> .
2024-02-11 04:32 PM <DIR> ..
2024-02-10 11:24 PM 375,042,383 sam_vit_b_01ec64.pth
2024-02-10 11:28 PM 2,564,550,879 sam_vit_h_4b8939.pth
2024-02-10 11:26 PM 1,249,524,607 sam_vit_l_0b3195.pth
2024-02-11 04:32 PM <DIR> segment-anything-main
3 File(s) 4,189,117,869 bytes
3 Dir(s) 35,643,699,200 bytes free
```

```
In [10]: conda activate sem3
```

Note: you may need to restart the kernel to use updated packages.

```
In [11]: cd segment-anything-main/
C:\Users\ijzep\_IA_LAMBTON\Capstone\SAM\segment-anything-main
```

```
In [12]: conda install .
Collecting package metadata (current_repodata.json): ...working... done
Solving environment: ...working... unsuccessful initial attempt using frozen solve. Retrying with flexible solve.
Collecting package metadata (repodata.json): ...working... done
Solving environment: ...working... unsuccessful initial attempt using frozen solve. Retrying with flexible solve.
```

Note: you may need to restart the kernel to use updated packages.

PackagesNotFoundError: The following packages are not available from current channels:

Current channels:

- <https://repo.anaconda.com/pkgs/main/win-64>
- <https://repo.anaconda.com/pkgs/main/noarch>
- <https://repo.anaconda.com/pkgs/r/win-64>
- <https://repo.anaconda.com/pkgs/r/noarch>
- <https://repo.anaconda.com/pkgs/msys2/win-64>
- <https://repo.anaconda.com/pkgs/msys2/noarch>

To search for alternate channels that may provide the conda package you're looking for, navigate to

<https://anaconda.org>

and use the search bar at the top of the page.

```
In [13]: pip3 install git+https://github.com/facebookresearch/segment-anything.git
Cell In[13], line 1
      1 pip3 install git+https://github.com/facebookresearch/segment-anything.git
      ^
SyntaxError: invalid syntax
```

```
In [14]: pip install git+https://github.com/facebookresearch/segment-anything.git
Collecting git+https://github.com/facebookresearch/segment-anything.git
  Cloning https://github.com/facebookresearch/segment-anything.git to c:\users\ijzep\appdata\local\temp\pip-req-build-rf27m3sg
    Resolved https://github.com/facebookresearch/segment-anything.git to commit 6fdee8f2727f4506cfbbe553e23b895e27956588
    Preparing metadata (setup.py): started
    Preparing metadata (setup.py): finished with status 'done'
Building wheels for collected packages: segment-anything
  Building wheel for segment-anything (setup.py): started
  Building wheel for segment-anything (setup.py): finished with status 'done'
    Created wheel for segment-anything: filename=segment_anything-1.0-py3-none-any.whl size=36830 sha256=f284ea5c48a55637d1074368b85e1d40271c00350cf3e4b846ddda18ef84356d
    Stored in directory: C:\Users\ijzep\AppData\Local\Temp\pip-ephem-wheel-cache-5r0ij6te\wheels\b0\7e\40\20f0b1e23280cc4a66dc8009c29f42cb4afc1b205bc5814786
Successfully built segment-anything
Installing collected packages: segment-anything
Successfully installed segment-anything-1.0
Note: you may need to restart the kernel to use updated packages.
Running command git clone --filter=blob:none --quiet https://github.com/facebookresearch/segment-anything.git 'C:\Users\ijzep\AppData\Local\Temp\pip-req-build-rf27m3sg'
```

```
In [15]: pip install opencv-python pycocotools matplotlib onnxruntime onnx
Collecting opencv-python
  Using cached opencv_python-4.9.0.80-cp37-abi3-win_amd64.whl.metadata (20 kB)
Collecting pycocotools
  Downloading pycocotools-2.0.7-cp38-cp38-win_amd64.whl.metadata (1.1 kB)
Requirement already satisfied: matplotlib in c:\users\ijzep\conda\envs\sem3\lib\site-packages (3.7.2)
Collecting onnxruntime
  Downloading onnxruntime-1.17.0-cp38-cp38-win_amd64.whl.metadata (4.3 kB)
Collecting onnx
  Downloading onnx-1.15.0-cp38-cp38-win_amd64.whl.metadata (15 kB)
Requirement already satisfied: numpy>=1.17.0 in c:\users\ijzep\conda\envs\sem3\lib\site-packages (from opencv-python) (1.24.3)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\ijzep\conda\envs\sem3\lib\site-packages (from matplotlib) (1.0.5)
Requirement already satisfied: cycler>=0.10 in c:\users\ijzep\conda\envs\sem3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ijzep\conda\envs\sem3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ijzep\conda\envs\sem3\lib\site-packages (from
```

```

matplotlib) (1.4.4)
Requirement already satisfied: packaging>=20.0 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from
matplotlib) (23.1)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from
matplotlib) (10.2.0)
Requirement already satisfied: pyparsing<3.1,>=2.3.1 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages
(from matplotlib) (3.0.9)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages
(from matplotlib) (2.8.2)
Requirement already satisfied: importlib-resources>=3.2.0 in c:\users\ijzep\.conda\envs\sem3\lib\site-
packages (from matplotlib) (6.1.1)
Collecting coloredlogs (from onnxruntime)
  Downloading coloredlogs-15.0.1-py2.py3-none-any.whl (46 kB)
----- 0.0/46.0 kB ? eta -:--:--
----- 30.7/46.0 kB 660.6 kB/s eta 0:00:01
----- 46.0/46.0 kB 761.2 kB/s eta 0:00:00
Collecting flatbuffers (from onnxruntime)
  Downloading flatbuffers-23.5.26-py2.py3-none-any.whl.metadata (850 bytes)
Requirement already satisfied: protobuf in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from
onnxruntime) (3.20.3)
Requirement already satisfied: sympy in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from onnxruntime)
(1.12)
Requirement already satisfied: zipp>=3.1.0 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from
importlib-resources>=3.2.0->matplotlib) (3.17.0)
Requirement already satisfied: six>=1.5 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from python-
dateutil>=2.7->matplotlib) (1.16.0)
Collecting humanfriendly>=9.1 (from coloredlogs->onnxruntime)
  Downloading humanfriendly-10.0-py2.py3-none-any.whl (86 kB)
----- 0.0/86.8 kB ? eta -:--:--
----- 86.8/86.8 kB 4.8 MB/s eta 0:00:00
Requirement already satisfied: mpmath>=0.19 in c:\users\ijzep\.conda\envs\sem3\lib\site-packages (from
sympy->onnxruntime) (1.3.0)
Collecting pyreadline3 (from humanfriendly>=9.1->coloredlogs->onnxruntime)
  Downloading pyreadline3-3.4.1-py3-none-any.whl (95 kB)
----- 0.0/95.2 kB ? eta -:--:--
----- 95.2/95.2 kB ? eta 0:00:00
Using cached opencv_python-4.9.0.80-cp37-abi3-win_amd64.whl (38.6 MB)
Downloading pycocotools-2.0.7-cp38-cp38-win_amd64.whl (85 kB)
----- 0.0/85.3 kB ? eta -:--:--
----- 85.3/85.3 kB ? eta 0:00:00
Downloading onnxruntime-1.17.0-cp38-cp38-win_amd64.whl (5.6 MB)
----- 0.0/5.6 MB ? eta -:--:--
----- 0.6/5.6 MB 19.8 MB/s eta 0:00:01
----- 1.4/5.6 MB 14.5 MB/s eta 0:00:01
----- 2.2/5.6 MB 15.3 MB/s eta 0:00:01
----- 2.8/5.6 MB 14.9 MB/s eta 0:00:01
----- 3.5/5.6 MB 14.7 MB/s eta 0:00:01
----- 4.3/5.6 MB 15.1 MB/s eta 0:00:01
----- 4.8/5.6 MB 14.7 MB/s eta 0:00:01
----- 5.1/5.6 MB 13.7 MB/s eta 0:00:01
----- 5.6/5.6 MB 13.2 MB/s eta 0:00:01
----- 5.6/5.6 MB 12.3 MB/s eta 0:00:00
Downloading onnx-1.15.0-cp38-cp38-win_amd64.whl (14.3 MB)
----- 0.0/14.3 MB ? eta -:--:--
----- 0.5/14.3 MB 10.2 MB/s eta 0:00:02
----- 0.9/14.3 MB 9.2 MB/s eta 0:00:02
----- 1.4/14.3 MB 9.7 MB/s eta 0:00:02
----- 1.8/14.3 MB 9.5 MB/s eta 0:00:02
----- 2.3/14.3 MB 9.6 MB/s eta 0:00:02
----- 2.9/14.3 MB 10.2 MB/s eta 0:00:02
----- 3.5/14.3 MB 10.7 MB/s eta 0:00:02
----- 4.2/14.3 MB 11.2 MB/s eta 0:00:01
----- 4.9/14.3 MB 11.6 MB/s eta 0:00:01
----- 5.7/14.3 MB 12.2 MB/s eta 0:00:01
----- 6.5/14.3 MB 12.5 MB/s eta 0:00:01
----- 7.2/14.3 MB 12.8 MB/s eta 0:00:01
----- 8.0/14.3 MB 13.0 MB/s eta 0:00:01
----- 8.6/14.3 MB 13.1 MB/s eta 0:00:01

```

```

----- 9.4/14.3 MB 13.4 MB/s eta 0:00:01
----- 10.1/14.3 MB 13.5 MB/s eta 0:00:01
----- 10.6/14.3 MB 13.4 MB/s eta 0:00:01
----- 11.2/14.3 MB 13.9 MB/s eta 0:00:01
----- 12.1/14.3 MB 14.6 MB/s eta 0:00:01
----- 12.9/14.3 MB 14.9 MB/s eta 0:00:01
----- 13.7/14.3 MB 15.6 MB/s eta 0:00:01
----- 14.3/14.3 MB 16.0 MB/s eta 0:00:01
----- 14.3/14.3 MB 16.0 MB/s eta 0:00:01
----- 14.3/14.3 MB 14.5 MB/s eta 0:00:00
Downloading flatbuffers-23.5.26-py2.py3-none-any.whl (26 kB)
Installing collected packages: pyreadline3, flatbuffers, opencv-python, onnx, humanfriendly, coloredlogs,
pycocotools, onnxruntime
Successfully installed coloredlogs-15.0.1 flatbuffers-23.5.26 humanfriendly-10.0 onnx-1.15.0
onnxruntime-1.17.0 opencv-python-4.9.0.80 pycocotools-2.0.7 pyreadline3-3.4.1
Note: you may need to restart the kernel to use updated packages.

```

In [16]: