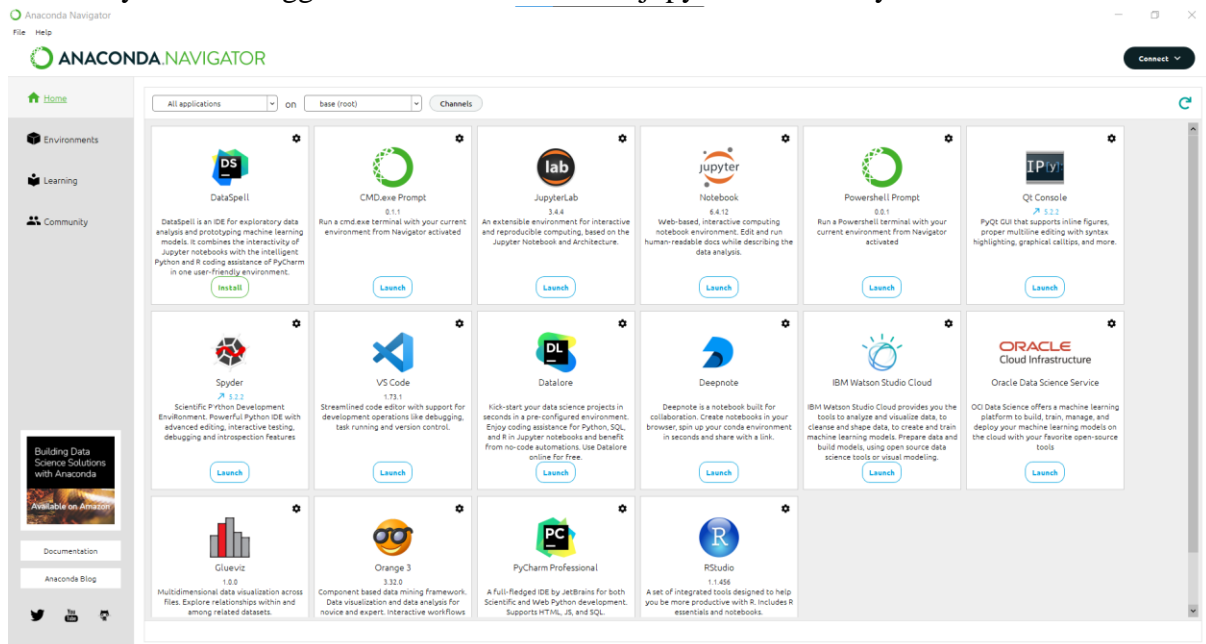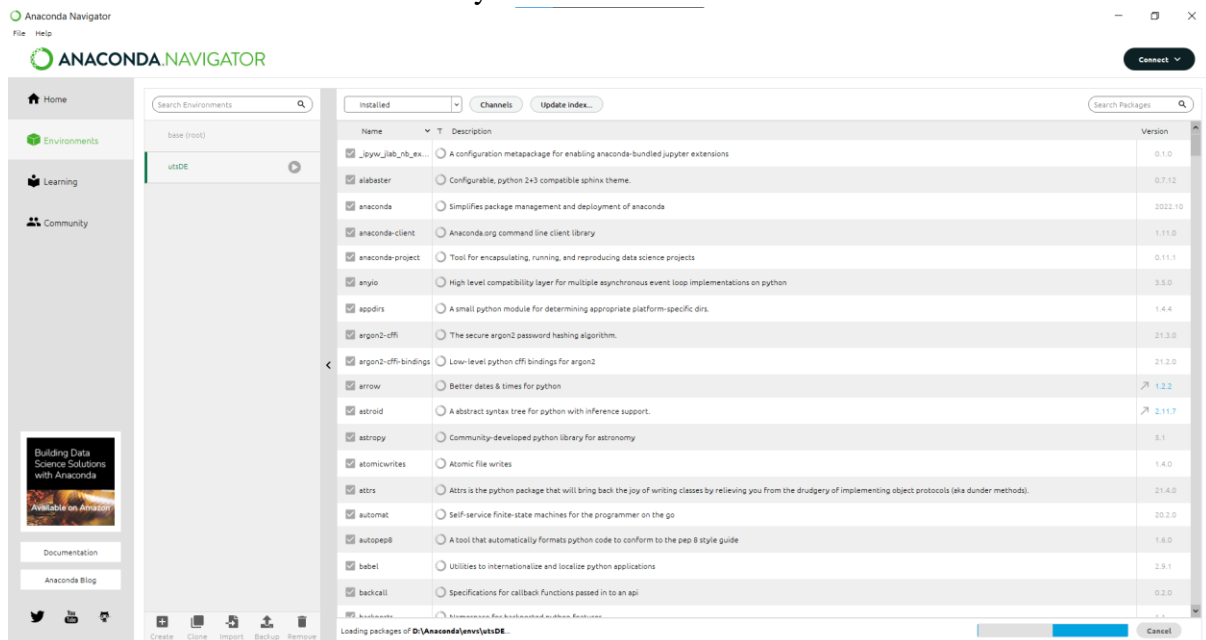# UTS DE – DOKUMEN ENV

Nama   : Muhammad Ariz Putra Rianto

NIM   : 205150207111027

1. Disini saya akan menggunakan ananconda untuk jupyter notebooknya

2. Setelah itu kita akan membuat env nya.

3. Aktifkan env pada anaconda terminal

```
(base) C:\Users\arizp>activate utsDE

(utsDE) C:\Users\arizp>_
```

4. Berikut adalah library yang sya install

```
(utsDE) C:\Users\arizp>pip list
Package                       Version
----------------------------- -----------
altair                        4.2.0
anyio                         3.6.2
argon2-cffi                   21.3.0
argon2-cffi-bindings          21.2.0
asttokens                     2.1.0
attrs                         22.1.0
backcall                      0.2.0
beautifulsoup4                4.11.1
bleach                        5.0.1
certifi                       2022.9.24
cffi                          1.15.1
charset-normalizer            2.1.1
click                         8.1.3
colorama                      0.4.6
cryptography                  38.0.3
debugpy                       1.6.3
decorator                     5.1.1
defusedxml                    0.7.1
entrypoints                   0.4
et-xmlfile                    1.1.0
executing                     1.2.0
fastjsonschema                2.16.2
great-expectations            0.15.32
greenlet                      2.0.1
```

```
idna                     3.4
importlib-metadata       5.0.0
ipykernel                6.17.1
ipython                  8.6.0
ipython-genutils         0.2.0
ipywidgets               8.0.2
jedi                     0.18.1
Jinja2                   3.1.2
jsonpatch                1.32
jsonpointer              2.3
jsonschema               4.7.2
jupyter                  1.0.0
jupyter_client           7.4.5
jupyter-console          6.4.4
jupyter_core             5.0.0
jupyter-server           1.23.1
jupyterlab-pygments      0.2.2
jupyterlab-widgets       3.0.3
kaggle                   1.5.12
makefun                  1.15.0
MarkupSafe               2.1.1
marshmallow              3.19.0
matplotlib-inline        0.1.6
mistune                  2.0.4
mysql-connector-python-rf 2.2.2
mysqlclient              2.1.1
nbclassic                0.4.8
nbclient                 0.7.0
nbconvert                7.2.4
nbformat                 5.7.0
```

```
nest-asyncio              1.5.6
notebook                  6.5.2
notebook_shim             0.2.2
numpy                     1.23.4
openpyxl                  3.0.10
packaging                 21.3
pandas                    1.5.1
pandocfilters             1.5.0
parso                     0.8.3
pickleshare               0.7.5
pip                       22.2.2
platformdirs              2.5.3
prometheus-client         0.15.0
prompt-toolkit            3.0.32
protobuf                  3.20.1
psutil                    5.9.4
pure-eval                 0.2.2
pycparser                 2.21
Pygments                  2.13.0
pyparsing                 3.0.9
pyrsistent                0.19.2
python-dateutil           2.8.2
python-slugify            6.1.2
pytz                      2022.6
pytz-deprecation-shim     0.1.0.post0
pywin32                   305
pywinpty                  2.0.9
pyzmq                     24.0.1
qtconsole                 5.4.0
QtPy                      2.3.0
```

Select Anaconda Prompt (Anaconda)

```
requests                  2.28.1
ruamel.yaml               0.17.17
ruamel.yaml.clib          0.2.7
scipy                     1.9.3
Send2Trash                1.8.0
setuptools                65.5.0
six                       1.16.0
sniffio                   1.3.0
soupsieve                 2.3.2.post1
SQLAlchemy                1.4.43
stack-data                0.6.0
termcolor                 2.0.1
terminado                 0.17.0
text-unidecode            1.3
tinycss2                  1.2.1
toolz                     0.12.0
tornado                   6.2
tqdm                      4.64.1
traitlets                 5.5.0
typing_extensions         4.4.0
tzdata                    2022.6
tzlocal                   4.2
urllib3                   1.26.12
wcwidth                   0.2.5
webencodings              0.5.1
websocket-client          1.4.2
wheel                     0.37.1
widgetsnbextension        4.0.3
wincertstore              0.2
zipp                      3.10.0
```

5. Ketik "jupyter notebook" untuk mengaktifkan jupyter

```
(utsDE) C:\Users\arizp>jupyter notebook_
```

6. Pilih file ipynb
7. Library untuk logging

```python
import logging
import sys

log = logging.getLogger('205150207111027_UTS_DE')
format = logging.Formatter('%(asctime)s - %(lineno)s - %(levelname)s - %(message)s')
log.setLevel(logging.DEBUG)

fhandler = logging.FileHandler(filename = "log_file_uts.txt", mode = "a")
fhandler.setFormatter(format)
fhandler.setLevel(logging.INFO)
log.addHandler(fhandler)

console=logging.StreamHandler(sys.stdout)
console.setFormatter(format)
console.setLevel(logging.DEBUG)
log.addHandler(console)
```

8. Gunakan Kaggle untuk mencari dan mendownload dataset melalui API

```python
!kaggle datasets list -s "Shopping Cart"
log.info("mencari dan mengambil dataset menggunakan API")
```

ref	title	size	lastUpda
ted downloadCount voteCount usabilityRating			
---	--	-----	--------
----------- ------------- --------- ---------------			
acostasg/random-shopping-cart	Random Shopping cart	65KB	2017-12-
05 22:00:26 2357 27 0.7058824			
ruchi798/shopping-cart-database	Shopping Cart Database	96KB	2021-12-
08 15:28:37 3148 54 1.0			
mkechinov/ecommerce-behavior-data-from-multi-category-store	eCommerce behavior data from multi category store	4GB	2019-12-
09 20:43:39 19013 467 1.0			
mkechinov/ecommerce-events-history-in-cosmetics-shop	eCommerce Events History in Cosmetics Shop	430MB	2020-03-
16 12:04:15 11380 182 1.0			
fanatiks/shopping-cart	Random Shopping cart	48KB	2017-05-
28 23:46:24 1206 15 0.4117647			
mkechinov/ecommerce-events-history-in-electronics-store	eCommerce events history in electronics store	20MB	2021-03-
29 06:11:07 1341 17 1.0			
ahmedlahlou/accidents-in-france-from-2005-to-2016	Accidents in France from 2005 to 2016	40MB	2018-06-
13 09:49:58 8976 195 0.7058824			
faisaljamil/shopping-cart	Shopping cart	205KB	2020-05-
21 06:30:19 37 1 0.23529412			
yasserh/instacart-online-grocery-basket-analysis-dataset	InstaCart Online Grocery Basket Analysis Dataset	197MB	2022-01-
25 16:43:37 1288 36 0.9411765			
pushpaltayal/etailing-customer-survey-in-india	E-Tailing Customer Survey in India	435KB	2020-06-
05 06:22:11 225 5 0.64705884			
felipeesc/shark-attack-dataset	Shark attack dataset	555KB	2021-07-
25 23:04:38 1573 43 0.9705882			
nowingkim/ecommerce-data-cosmetics-shop	eCommerce data - Cosmetics Shop	83MB	2022-03-
14 09:33:54 760 28 0.88235295			
datawizard20/random-shopping-carts	Random Shopping Carts	46KB	2019-04-
17 23:17:47 139 2 0.11764706			
vishnu0399/server-logs	Server Logs	20MB	2021-10-

```python
!kaggle datasets download ruchi798/shopping-cart-database -p /Users/arizp/Datasets --unzip
log.info("mendownload dataset")
```

```
Downloading shopping-cart-database.zip to /Users/arizp/Datasets

2022-11-13 22:18:13,313 - 2 - INFO - mendownload dataset


  0%|          | 0.00/96.1k [00:00<?, ?B/s]
100%|##########| 96.1k/96.1k [00:00<00:00, 516kB/s]
100%|##########| 96.1k/96.1k [00:00<00:00, 514kB/s]
```