

```
In [ ]: likith is good python developer
he created a addition code
```

```
In [1]: n1=10
n2=20
add=n1+n2
add
```

```
Out[1]: 30
```

```
In [ ]: he though that he only created a addition code
no one is created

i will give this free to entire world

he went anaconda organization

who ever install your software that python code also
should automatically in thier laptop

anaconda : okay great

make that python code as package

package: python code
        Python OOPS concept
pcakges module
```

```
In [ ]: green color line
max 5 min
packages are downloaded in your laptop

package name: addition
```

```
In [ ]: # syntax:

import <package name>
```

```
In [ ]: pacakage name: random
package name : math
package name : time
package name : keyword
package name : pandas
package name : numpy
package name : cv2
```

```
In [2]: import random
```

```
In [3]: import math
```

```
In [4]: import time
```

```
In [5]: import keyword
```

```
In [6]: import pandas
```

```
In [7]: import numpy
```

```
In [8]: import cv2
```

```
In [9]: import addition
```

```
-----  
ModuleNotFoundError                                Traceback (most recent call last)  
Cell In[9], line 1  
----> 1 import addition  
  
ModuleNotFoundError: No module named 'addition'
```

- with this addition name no package available in your laptop
- for you cv2 also not available in your laptop
- wherever you got error always share two screenshots
  - the code lines which you written
  - error screenshot till last line
  - error information always at last line only

```
In [10]: import random
```

```
In [11]: random
```

```
Out[11]: <module 'random' from 'C:\\Users\\omkar\\anaconda3\\Lib\\random.py'>
```

- package or module is a python code only
- many packages will automatically install while anaconda installations
- if any module not available
  - **Module not found error**
- how we call the package : **import packagename**

```
In [12]: import random
```

- random also have many sub function
- these are called as methods
- in order to see the available methods
  - `dir(packagename)`

```
In [13]: # step-1: import packagename
# step-2: dir(packagename)

import random
dir(random)
```

```
Out[13]: ['BPF',
          'LOG4',
          'NV_MAGICCONST',
          'RECIP_BPF',
          'Random',
          'SG_MAGICCONST',
          'SystemRandom',
          'TWOPI',
          '_ONE',
          '_Sequence',
          '_Set',
          '__all__',
          '__builtins__',
          '__cached__',
          '__doc__',
          '__file__',
          '__loader__',
          '__name__',
          '__package__',
          '__spec__',
          '_accumulate',
          '_acos',
          '_bisect',
          '_ceil',
          '_cos',
          '_e',
          '_exp',
          '_floor',
          '_index',
          '_inst',
          '_isfinite',
          '_log',
          '_os',
          '_pi',
          '_random',
          '_repeat',
          '_sha512',
          '_sin',
          '_sqrt',
          '_test',
          '_test_generator',
          '_urandom',
          '_warn',
          'betavariate',
          'choice',
          'choices',
          'expovariate',
          'gammavariate',
          'gauss',
          'getrandbits',
          'getstate',
          'lognormvariate',
          'normalvariate',
          'paretovariate',
          'randbytes',
          'randint',
          'random',
          'randrange',
          'sample',
          'seed',
```

```
'setstate',  
'shuffle',  
'triangular',  
'uniform',  
'vonmisesvariate',  
'weibullvariate']
```

```
In [ ]: # method: randint  
# qn : what is randint  
#     package name: random  
#     method name : randint  
  
#     module name   : random  
#     attribute name: randint  
  
#     uncle name :  
#     gf name
```

```
In [14]: # step-3: packagename.methodname  
random.randint
```

```
Out[14]: <bound method Random.randint of <random.Random object at 0x0000026879D299B0>>
```

```
In [15]: # step-1: import package name  
# step-2: dir(package name)  
# step-3: packagename.methodname  
  
import random  
dir(random) # i want to call randint  
random.randint
```

```
Out[15]: <bound method Random.randint of <random.Random object at 0x0000026879D299B0>>
```

```
In [16]: help(random.randint)
```

Help on method randint in module random:

randint(a, b) method of random.Random instance

Return random integer in range [a, b], including both end points.

```
In [17]: random.randint(10,20) # a=10 b=20 10 11 12 13 14 15v 16 17 18 19 20
```

```
Out[17]: 11
```

```
In [23]: import random  
dir(random)  
help(random.randint)  
random.randint(1,10)
```

Help on method randint in module random:

randint(a, b) method of random.Random instance

Return random integer in range [a, b], including both end points.

```
Out[23]: 7
```

```
In [25]: import random  
dir(random)
```

```
help(random.randint)
random.randint(1,20)
```

Help on method randint in module random:

randint(a, b) method of random.Random instance  
Return random integer in range [a, b], including both end points.

Out[25]: 8

```
In [26]: import random
random.randint()

# take your cursor inside the bracket apply shift+tab
# help function only return
# the top name : Doc string
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In[26], line 2
      1 import random
----> 2 random.randint()

TypeError: Random.randint() missing 2 required positional arguments: 'a' and 'b'
```

```
In [29]: import random
random.randint()
```

Out[29]: <bound method Random.randint of <random.Random object at 0x0000026879D299B0>>

```
In [ ]: # package name is : random
# method name is : random

# package name is : math
# method name is : sqrt

# package name is : math
# method name is : pow

# package name is : math
# method name is : pie

# package name is : math
# method name is : sin
```

```
In [ ]: # import packages one time is enough
```

```
In [34]: import random
random.random()
```

Out[34]: 0.5448638376502353

```
In [35]: import math
```

```
In [37]: math.sqrt(25)
```

Out[37]: 5.0

```
In [40]: math.pow(2,3) # 2 power 3
```

```
Out[40]: 8.0
```

```
In [41]: math.pie
```

```
-----  
AttributeError                                Traceback (most recent call last)  
Cell In[41], line 1  
----> 1 math.pie  
  
AttributeError: module 'math' has no attribute 'pie'
```

```
In [42]: dir(math)
```

```
Out[42]: ['__doc__',
          '__loader__',
          '__name__',
          '__package__',
          '__spec__',
          'acos',
          'acosh',
          'asin',
          'asinh',
          'atan',
          'atan2',
          'atanh',
          'cbrt',
          'ceil',
          'comb',
          'copysign',
          'cos',
          'cosh',
          'degrees',
          'dist',
          'e',
          'erf',
          'erfc',
          'exp',
          'exp2',
          'expm1',
          'fabs',
          'factorial',
          'floor',
          'fmod',
          'frexp',
          'fsum',
          'gamma',
          'gcd',
          'hypot',
          'inf',
          'isclose',
          'isfinite',
          'isinf',
          'isnan',
          'isqrt',
          'lcm',
          'ldexp',
          'lgamma',
          'log',
          'log10',
          'log1p',
          'log2',
          'modf',
          'nan',
          'nextafter',
          'perm',
          'pi',
          'pow',
          'prod',
          'radians',
          'remainder',
          'sin',
          'sinh',
          'sqrt',
```



```
'tan',  
'tanh',  
'tau',  
'trunc',  
'ulp']
```

```
In [43]: math.pi  
# contstant values does not need brackets
```

Out[43]: 3.141592653589793

```
In [44]: math.e
```

Out[44]: 2.718281828459045

```
In [46]: math.sin(90)
```

Out[46]: 0.8939966636005579

```
In [47]: dir(math)
```

```
Out[47]: ['__doc__',
          '__loader__',
          '__name__',
          '__package__',
          '__spec__',
          'acos',
          'acosh',
          'asin',
          'asinh',
          'atan',
          'atan2',
          'atanh',
          'cbrt',
          'ceil',
          'comb',
          'copysign',
          'cos',
          'cosh',
          'degrees',
          'dist',
          'e',
          'erf',
          'erfc',
          'exp',
          'exp2',
          'expm1',
          'fabs',
          'factorial',
          'floor',
          'fmod',
          'frexp',
          'fsum',
          'gamma',
          'gcd',
          'hypot',
          'inf',
          'isclose',
          'isfinite',
          'isinf',
          'isnan',
          'isqrt',
          'lcm',
          'ldexp',
          'lgamma',
          'log',
          'log10',
          'log1p',
          'log2',
          'modf',
          'nan',
          'nextafter',
          'perm',
          'pi',
          'pow',
          'prod',
          'radians',
          'remainder',
          'sin',
          'sinh',
          'sqrt',
```

```
'tan',  
'tanh',  
'tau',  
'trunc',  
'ulp']
```

```
In [ ]: math.pie  
math.pi  
math.pi() # pi is a constant  
# constant does not need brackets
```

```
In [48]: print('hello')  
print('bye')
```

hello  
bye

```
In [49]: import time  
print('hello')  
time.sleep(5)  
print('bye')
```

hello  
bye

```
In [51]: #package name: keyword  
#method name: kwlist  
import keyword  
len(keyword.kwlist)
```

Out[51]: 35

```
In [ ]: True  
False  
if  
else  
for  
while  
None  
elif  
and  
def  
or  
return  
class  
lambda  
try  
except  
continue  
break  
pass
```

```
In [ ]: randrange is not availalbel  
cele  
sample method not understand  
how to do start and end
```

```
In [2]: import random  
random.randrange
```

```
-----  
AttributeError                                Traceback (most recent call last)  
Cell In[2], line 2  
      1 import random  
----> 2 random.randrange  
  
AttributeError: module 'random' has no attribute 'randange'
```

### **attribute error**

- the method we providedd is no available in that package

```
In [3]: dir(random)
```

```
Out[3]: ['BPF',
         'LOG4',
         'NV_MAGICCONST',
         'RECIP_BPF',
         'Random',
         'SG_MAGICCONST',
         'SystemRandom',
         'TWOPI',
         '_ONE',
         '_Sequence',
         '_Set',
         '__all__',
         '__builtins__',
         '__cached__',
         '__doc__',
         '__file__',
         '__loader__',
         '__name__',
         '__package__',
         '__spec__',
         '_accumulate',
         '_acos',
         '_bisect',
         '_ceil',
         '_cos',
         '_e',
         '_exp',
         '_floor',
         '_index',
         '_inst',
         '_isfinite',
         '_log',
         '_os',
         '_pi',
         '_random',
         '_repeat',
         '_sha512',
         '_sin',
         '_sqrt',
         '_test',
         '_test_generator',
         '_urandom',
         '_warn',
         'betavariate',
         'choice',
         'choices',
         'expovariate',
         'gammavariate',
         'gauss',
         'getrandbits',
         'getstate',
         'lognormvariate',
         'normalvariate',
         'paretovariate',
         'randbytes',
         'randint',
         'random',
         'randrange',
         'sample',
         'seed',
```

```
'setstate',  
'shuffle',  
'triangular',  
'uniform',  
'vonmisesvariate',  
'weibullvariate']
```

```
In [4]: import math  
        math.ceil
```

```
In [5]: help(random.choice)
```

Help on method choice in module random:

choice(seq) method of random.Random instance  
Choose a random element from a non-empty sequence.

```
In [6]: random.choice(['A','B','C'])
```

```
Out[6]: 'A'
```

```
In [7]: help(random.sample)
```

Help on method sample in module random:

sample(population, k, \*, counts=None) method of random.Random instance  
Chooses k unique random elements from a population sequence.

Returns a new list containing elements from the population while leaving the original population unchanged. The resulting list is in selection order so that all sub-slices will also be valid random samples. This allows raffle winners (the sample) to be partitioned into grand prize and second place winners (the subslices).

Members of the population need not be hashable or unique. If the population contains repeats, then each occurrence is a possible selection in the sample.

Repeated elements can be specified one at a time or with the optional counts parameter. For example:

```
sample(['red', 'blue'], counts=[4, 2], k=5)
```

is equivalent to:

```
sample(['red', 'red', 'red', 'red', 'blue', 'blue'], k=5)
```

To choose a sample from a range of integers, use range() for the population argument. This is especially fast and space efficient for sampling from a large population:

```
sample(range(10000000), 60)
```

```
In [8]: random.sample(['red', 'red', 'red', 'red', 'blue', 'blue'], k=3)
```

```
Out[8]: ['blue', 'red', 'red']
```

```
In [10]: import time
         time.sleep(5)
         print('hai')
```

hai

```
In [ ]: some time we need to check how much time is taking
         to execute the code lines
         time.time()   hyd 10am
         time.time()   delhi 6pm next
```

```
In [13]: start=time.time()
         time.sleep(5)
         end=time.time()
         print(end-start)
```

5.0017242431640625

```
In [ ]: random.sample(['red', 'red', 'red', 'red', 'blue', 'blue'],k=3)
```

```
In [14]: import random
         random.randint(1,10)
```

Out[14]: 9

```
In [15]: from random import randint
         randint(1,10)
```

Out[15]: 1

```
In [16]: import math
         math.sqrt(25)
```

Out[16]: 5.0

```
In [17]: from math import sqrt
         sqrt(25)
```

Out[17]: 5.0

```
In [18]: from random import randint as rt
         rt(1,10)
```

Out[18]: 4

```
In [ ]: import random
         random.randint(1,10)

         from random import randint
         randint(1,10)

         from random import randint as rt
         rt(1,10)
```

```
In [19]: import cv2  # computer vision
```

```
In [20]: import wordcloud # pasting the words on the cloud
```

## module not found error

- whenever packages are not there we need to install
- 90% the install name and import name both are same
- always reference as pypi.org
- syntax is : pip install packagename
  - pip install wordcloud
  - pip install cv2(we are not sure)
- we can install the packages in **anaconda prompt**
- or we can install inside jupyter notebook (not recommended)
- inorder to install the packages we need internet
- if internet not sufficient or not available the will get http error

```
In [21]: import wordcloud
```

```
In [22]: pip install opencv-python
```

Requirement already satisfied: opencv-python in c:\users\omkar\anaconda3\lib\site-packages (4.9.0.80)

Requirement already satisfied: numpy>=1.21.2 in c:\users\omkar\anaconda3\lib\site-packages (from opencv-python) (1.26.4)

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

```
In [ ]: # if you are getting error in jupyter notebook
        # add ! mark
        !pip install opencv-python
```

```
In [23]: pip freeze
```



absl-py==2.1.0  
aiobotocore @ file:///C:/b/abs\_3cwz1w13nn/croot/aiobotocore\_1701291550158/work  
aiohttp @ file:///C:/b/abs\_27h\_1rpxgd/croot/aiohttp\_1707342354614/work  
aioitertools @ file:///tmp/build/80754af9/aioitertools\_1607109665762/work  
aiosignal @ file:///tmp/build/80754af9/aiosignal\_1637843061372/work  
alabaster @ file:///home/ktietz/src/ci/alabaster\_1611921544520/work  
altair @ file:///C:/b/abs\_27reu1igbg/croot/altair\_1687526066495/work  
anaconda-anon-usage @ file:///C:/b/abs\_95v3x0wy8p/croot/anaconda-anon-usage\_1697038984188/work  
anaconda-catalogs @ file:///C:/b/abs\_8btyy0o8s8/croot/anaconda-catalogs\_1685727315626/work  
anaconda-client @ file:///C:/b/abs\_34txutm0ue/croot/anaconda-client\_1708640705294/work  
anaconda-cloud-auth @ file:///C:/b/abs\_410afndtyf/croot/anaconda-cloud-auth\_1697462767853/work  
anaconda-navigator @ file:///C:/b/abs\_cfvv8k\_j21/croot/anaconda-navigator\_1704813334508/work  
anaconda-project @ file:///C:/ci\_311/anaconda-project\_1676458365912/work  
anyio @ file:///C:/b/abs\_847uobe7ea/croot/anyio\_1706220224037/work  
appdirs==1.4.4  
archspec @ file:///croot/archspec\_1697725767277/work  
argon2-cffi @ file:///opt/conda/conda-bld/argon2-cffi\_1645000214183/work  
argon2-cffi-bindings @ file:///C:/ci\_311/argon2-cffi-bindings\_1676424443321/work  
arrow @ file:///C:/ci\_311/arrow\_1678249767083/work  
astroid @ file:///C:/ci\_311/astroid\_1678740610167/work  
astropy @ file:///C:/b/abs\_2fb3x\_tapx/croot/astropy\_1697468987983/work  
asttokens @ file:///opt/conda/conda-bld/asttokens\_1646925590279/work  
astunparse==1.6.3  
async-lru @ file:///C:/b/abs\_e0hjkvwwb5/croot/async-lru\_1699554572212/work  
atomicwrites==1.4.0  
attrs==24.2.0  
Automat @ file:///tmp/build/80754af9/automat\_1600298431173/work  
autopep8 @ file:///opt/conda/conda-bld/autopep8\_1650463822033/work  
azure-ai-formrecognizer==3.3.3  
azure-ai-vision-imageanalysis==1.0.0b3  
azure-cognitiveservices-speech==1.37.0  
azure-common==1.1.28  
azure-core==1.30.2  
azure-identity==1.17.1  
azure-storage-blob==12.22.0  
Babel @ file:///C:/ci\_311/babel\_1676427169844/work  
backports.functools-lru-cache @ file:///tmp/build/80754af9/backports.functools\_lru\_cache\_1618170165463/work  
backports.tempfile @ file:///home/linux1/recipes/ci/backports.tempfile\_1610991236607/work  
backports.weakref==1.0.post1  
bcrypt @ file:///C:/ci\_311/bcrypt\_1676435170049/work  
beautifulsoup4 @ file:///C:/b/abs\_0agyz1wsr4/croot/beautifulsoup4-split\_1681493048687/work  
binaryornot @ file:///tmp/build/80754af9/binaryornot\_1617751525010/work  
black @ file:///C:/b/abs\_29gqa9a44y/croot/black\_1701097690150/work  
bleach @ file:///opt/conda/conda-bld/bleach\_1641577558959/work  
blinker @ file:///C:/b/abs\_d9y2dm7cw2/croot/blinker\_1696539752170/work  
bokeh @ file:///C:/b/abs\_74ungdyhwc/croot/bokeh\_1706912192007/work  
boltons @ file:///C:/ci\_311/boltons\_1677729932371/work  
botocore @ file:///C:/b/abs\_5a285dte94/croot/botocore\_1701286504141/work  
Bottleneck @ file:///C:/b/abs\_f05kqh7yvj/croot/bottleneck\_1707864273291/work  
Brotli @ file:///C:/ci\_311/brotli-split\_1676435766766/work  
cachetools @ file:///tmp/build/80754af9/cachetools\_1619597386817/work  
certifi @ file:///C:/b/abs\_35d7n66oz9/croot/certifi\_1707229248467/work/certifi

cffi @ file:///C:/b/abs\_924gv1kxzz/croot/cffi\_1700254355075/work  
chardet==3.0.4  
charset-normalizer @ file:///tmp/build/80754af9/charset-normalizer\_1630003229654/work  
click @ file:///C:/b/abs\_f9ihnt72pu/croot/click\_1698129847492/work  
cloudpickle @ file:///C:/b/abs\_3796yxesic/croot/cloudpickle\_1683040098851/work  
clyent==1.2.2  
colorama @ file:///C:/ci\_311/colorama\_1676422310965/work  
colorcet @ file:///C:/ci\_311/colorcet\_1676440389947/work  
comm @ file:///C:/ci\_311/comm\_1678376562840/work  
comtypes==1.4.2  
conda @ file:///C:/b/abs\_89vd8hj61u/croot/conda\_1708369170790/work  
conda-build @ file:///C:/b/abs\_3ed9gavxgz/croot/conda-build\_1708025907525/work  
conda-content-trust @ file:///C:/b/abs\_e3bcpyv7sw/croot/conda-content-trust\_1693490654398/work  
conda-libmamba-solver @ file:///croot/conda-libmamba-solver\_1706733287605/work/src  
conda-pack @ file:///tmp/build/80754af9/conda-pack\_1611163042455/work  
conda-package-handling @ file:///C:/b/abs\_b9wp3lr1gn/croot/conda-package-handling\_1691008700066/work  
conda-repo-cli==1.0.75  
conda-token @ file:///Users/paulyim/miniconda3/envs/c3i/conda-bld/conda-token\_1662660369760/work  
conda-verify==3.4.2  
conda\_index @ file:///croot/conda-index\_1706633791028/work  
conda\_package\_streaming @ file:///C:/b/abs\_6c28n38aaj/croot/conda-package-streaming\_1690988019210/work  
constantly @ file:///C:/b/abs\_cbuavw4443/croot/constantly\_1703165617403/work  
contourpy @ file:///C:/b/abs\_853rfy8zse/croot/contourpy\_1700583617587/work  
cookiecutter @ file:///C:/b/abs\_3d1730toam/croot/cookiecutter\_1700677089156/work  
cryptography @ file:///C:/b/abs\_531eqmhgsd/croot/cryptography\_1707523768330/work  
cssselect @ file:///C:/b/abs\_71gnjab7b0/croot/cssselect\_1707339955530/work  
cycller @ file:///tmp/build/80754af9/cycller\_1637851556182/work  
Cython==3.0.11  
cytoolz @ file:///C:/b/abs\_d43s8lnb60/croot/cytoolz\_1701723636699/work  
dask @ file:///C:/b/abs\_1899k8plyj/croot/dask-core\_1701396135885/work  
datashader @ file:///C:/b/abs\_cb5s63ty8z/croot/datashader\_1699544282143/work  
debugpy @ file:///C:/b/abs\_c0y1fjpt2/croot/debugpy\_1690906864587/work  
decorator @ file:///opt/conda/conda-bld/decorator\_1643638310831/work  
defusedxml @ file:///tmp/build/80754af9/defusedxml\_1615228127516/work  
diff-match-patch @ file:///Users/ktietz/demo/mc3/conda-bld/diff-match-patch\_1630511840874/work  
dill @ file:///C:/b/abs\_084unuus3z/croot/dill\_1692271268687/work  
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smart-open @ file:///C:/ci\_311/smart\_open\_1676439339434/work  
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sniffio @ file:///C:/b/abs\_3akdewudo\_/croot/sniffio\_1705431337396/work  
snowballstemmer @ file:///tmp/build/80754af9/snowballstemmer\_1637937080595/work  
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Sphinx @ file:///C:/ci\_311/sphinx\_1676434546244/work  
sphinxcontrib-applehelp @ file:///home/ktietz/src/ci/sphinxcontrib-applehelp\_1611  
920841464/work  
sphinxcontrib-devhelp @ file:///home/ktietz/src/ci/sphinxcontrib-devhelp\_16119209

23094/work  
sphinxcontrib-htmlhelp @ file:///tmp/build/80754af9/sphinxcontrib-htmlhelp\_1623945626792/work  
sphinxcontrib-jsmath @ file:///home/ktietz/src/ci/sphinxcontrib-jsmath\_1611920942228/work  
sphinxcontrib-qthelp @ file:///home/ktietz/src/ci/sphinxcontrib-qthelp\_1611921055322/work  
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spyder @ file:///C:/b/abs\_e99kl7d8t0/croot/spyder\_1681934304813/work  
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tables @ file:///C:/b/abs\_411740ajo7/croot/pytables\_1705614883108/work  
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tblib @ file:///Users/ktietz/demo/mc3/conda-bld/tblib\_1629402031467/work  
tenacity @ file:///C:/b/abs\_ddkoa9nju6/croot/tenacity\_1682972298929/work  
tensorboard==2.17.0  
tensorboard-data-server==0.7.2  
tensorflow==2.17.0  
tensorflow-intel==2.17.0  
tensorflow-io-gcs-filesystem==0.31.0  
termcolor==2.4.0  
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text-unidecode @ file:///Users/ktietz/demo/mc3/conda-bld/text-unidecode\_1629401354553/work  
textdistance @ file:///tmp/build/80754af9/textdistance\_1612461398012/work  
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tinycss2 @ file:///C:/ci\_311/tinycss2\_1676425376744/work  
tldextract @ file:///opt/conda/conda-bld/tldextract\_1646638314385/work  
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tomlkit @ file:///C:/ci\_311/tomlkit\_1676425418821/work  
toolz @ file:///C:/ci\_311/toolz\_1676431406517/work  
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torchvision==0.18.0  
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tqdm @ file:///C:/b/abs\_f76j9hg7pv/croot/tqdm\_1679561871187/work  
traitlets @ file:///C:/ci\_311/traitlets\_1676423290727/work  
trio==0.27.0  
trio-websocket==0.11.1  
truststore @ file:///C:/b/abs\_55z7b3r045/croot/truststore\_1695245455435/work  
Twisted @ file:///C:/b/abs\_e7yqd811in/croot/twisted\_1708702883769/work  
twisted-iocpsupport @ file:///C:/ci\_311/twisted-iocpsupport\_1676447612160/work  
typing\_extensions @ file:///C:/b/abs\_72cdotwc\_6/croot/typing\_extensions\_1705599364138/work  
tzdata @ file:///croot/python-tzdata\_1690578112552/work  
tzlocal @ file:///C:/ci\_311/tzlocal\_1676439620276/work  
uc-micro-py @ file:///C:/ci\_311/uc-micro-py\_1676457695423/work  
ujson @ file:///C:/ci\_311/ujson\_1676434714224/work  
ultralitics==8.2.98  
ultralitics-thop==2.0.6



```

Unidecode @ file:///tmp/build/80754af9/unidecode_1614712377438/work
urllib3 @ file:///C:/b/abs_0c3739ssy1/croot/urllib3_1707349314852/work
validators @ file:///tmp/build/80754af9/validators_1612286467315/work
w3lib @ file:///C:/b/abs_957begrwn1/croot/w3lib_1708640020760/work
watchdog @ file:///C:/ci_311/watchdog_1676457923624/work
wcwidth @ file:///Users/ktietz/demo/mc3/conda-bld/wcwidth_1629357192024/work
webencodings==0.5.1
websocket-client==1.8.0
Werkzeug @ file:///C:/b/abs_8578rs2ra_/croot/werkzeug_1679489759009/work
whatthepatch @ file:///C:/ci_311/whatthepatch_1678402578113/work
widgetsnextension @ file:///C:/b/abs_derxhz1biv/croot/widgetsnextension_1701273
671518/work
win-inet-pton @ file:///C:/ci_311/win_inet_pton_1676425458225/work
wordcloud==1.9.3
wrapt @ file:///C:/ci_311/wrapt_1676432805090/work
wsproto==1.2.0
xarray @ file:///C:/b/abs_5bkjiynp4e/croot/xarray_1689041498548/work
xgboost==2.1.0
xlwings @ file:///C:/ci_311_rebuilds/xlwings_1679013429160/work
xyzservices @ file:///C:/ci_311/xyzservices_1676434829315/work
yapf @ file:///tmp/build/80754af9/yapf_1615749224965/work
yarl @ file:///C:/b/abs_8bxwdyhjvp/croot/yarl_1701105248152/work
yfinance==0.2.40
youtube-transcript-api==0.6.2
zict @ file:///C:/b/abs_780gyydtbp/croot/zict_1695832899404/work
zipp @ file:///C:/b/abs_b0beoc27oa/croot/zipp_1704206963359/work
zope.interface @ file:///C:/ci_311/zope.interface_1676439868776/work
zstandard==0.19.0
Note: you may need to restart the kernel to use updated packages.

```

```

In [ ]: n1=50 # hard coded
        n1=eval(input('number')) # user from keyboard
        n1=random.randint(1,100) # random num

```

```

In [24]: n1=100
        n2=200
        add=n1+n2
        add

```

Out[24]: 300

```

In [25]: n1=eval(input('enter number1:'))
        n2=eval(input('enter number2:'))
        add=n1+n2
        add

```

Out[25]: 300

```

In [27]: n1=random.randint(50,250)
        n2=random.randint(50,250)
        print(n1,n2)
        add=n1+n2
        add

```

222 181

Out[27]: 403

```

In [ ]: n1=100
        n2=200

```

```
add=n1+n2
```

```
add
```

```
#####
```