```
Python 3.11.4 | packaged by Anaconda, Inc. | (main, Jul  5 2023, 13:38:37) [MSC v.1916 64
bit (AMD64)]
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IPython 8.12.0 -- An enhanced Interactive Python.

In [1]:          =  "The Dark Knight"  2005  9.99

In [2]: type
Out[2]: list

In [3]:          'C:/Users/arun.rameshbabu/Documents/Class Exercises/Collections/lists.py'
    ='C:/Users/arun.rameshbabu/Documents/Class Exercises/Collections'

In [4]:          =  0   * 10

In [5]:                  0
Out[5]: 48.0

In [6]: type                0
Out[6]: float

In [7]: type       0
Out[7]: str

In [8]:                -1
Out[8]: 40.0

In [9]:                -4
Out[9]: 48.0

In [10]:               4
Traceback (most recent call last):

  Cell In[10], line 1
    flt_objects_list[4]

IndexError: list index out of range


In [11]:            2  = 'Hello!'

In [12]:            3  = False

In [13]:       .     400

In [14]:       .     2  "USA"

In [15]: 'car'  2  40   2005
Out[15]: ['car', 2, 40, 2005]

In [16]:       .      "USA"

In [17]:       .      "USA"
Traceback (most recent call last):

  Cell In[17], line 1
    movies.remove("USA")
```

1

```
ValueError: list.remove(x): x not in list


In [18]:                    .
Out[18]: False

In [19]:                    .      1
Out[19]: 88.0

In [20]:                    .        "bat"
Out[20]: 1

In [21]:    =                .         "bat"

In [22]:                    .
Out[22]: 'bat'

In [23]: len
Out[23]: 4

In [24]:        in
Traceback (most recent call last):

  Cell In[24], line 1
    year in movies

NameError: name 'year' is not defined


In [25]:        = 2005

In [26]:        in
Out[26]: True

In [27]:        in
Out[27]: False

In [28]:         'C:/Users/arun.rameshbabu/Documents/Class Exercises/Collections/lists.py'
    ='C:/Users/arun.rameshbabu/Documents/Class Exercises/Collections'

In [29]: if  2005 in
   ...:             .        "Class question"

In [30]: for      in
   ...:      print
The Dark Knight
2005
9.99
400
This is an awesome movie
Class question

In [31]:         =  70  80  90  100  60

In [32]:         =  70  80  90  100  60
   ...:         = 0
   ...: for      in
   ...:             =        +
   ...: print
```

```
400

In [33]:         =  70  80  90  100  60
    ...:        = 0
    ...:    = 0
    ...: while   < len
    ...:              =        +
    ...:         =  +1
    ...: print
400

In [34]: for       in enumerate
    ...:     print  "{} - {}".
0 - 70
1 - 80
2 - 90
3 - 100
4 - 60

In [35]:     =  "VW"  "Ford"  "BMW"  "Audi"
    ...:        =  30000  15000  40000  35000

In [36]: for     in zip
    ...:     print  "{} - {}".
VW - 30000
Ford - 15000
BMW - 40000
Audi - 35000

In [37]: zip
Out[37]: <zip at 0x2670482d000>

In [38]:  zip
Out[38]: [<zip at 0x2670491d300>]

In [39]: for       in enumerate zip
    ...:     print '{} - {}'.
0 - ('VW', 30000)
1 - ('Ford', 15000)
2 - ('BMW', 40000)
3 - ('Audi', 35000)

In [40]:
```