	<pre>import numpy as np a=np.array([10,20,30,40,50,60])</pre>
	<pre>print(a,type(a),id(a))</pre>
	[10 20 30 40 50 60] <class 'numpy.ndarray'=""> 2103489267248 #copy() function</class>
	<pre>b=a.copy() print(b,type(b),id(b))</pre>
	[10 20 30 40 50 60] <class 'numpy.ndarray'=""> 2103466700400</class>
	<pre>a=np.append(a,80) b=np.append(b,100) print(a)</pre>
	print(b) [10 20 30 40 50 60 80]
	[10 20 30 40 50 60 100]
	print(a,type(a)) [10 20 30 40 50 60 80] <class 'numpy.ndarray'=""></class>
In [10]:	a=np.array([10 20 30 40 50 60])
	<pre>print(a) File "C:\Users\asus\AppData\Local\Temp\ipykernel_23260\1744897004.py", line 1</pre>
	a=np.array([10 20 30 40 50 60]) ^
	<pre>SyntaxError: invalid syntax b=a.view()</pre>
L	<pre>print(b,type(b),id(b))</pre>
	[10 20 30 40 50 60 80] <class 'numpy.ndarray'=""> 2103489466608</class>
In [14]:	c=np.view(a) #module 'numpy' has no attribute 'view'
	AttributeError Traceback (most recent call last) ~\AppData\Local\Temp\ipykernel_23260\1831227509.py in <module></module>
	> 1 c=np.view(a)
	<pre>C:\ProgramData\Anaconda3\lib\site-packages\numpy\initpy ingetattr(attr) 311 return Tester 312</pre>
	> 313 raise AttributeError("module {!r} has no attribute " 314 "{!r}".format(name, attr))
	315 AttributeError: module 'numpy' has no attribute 'view'
In [1]:	#Appending the elements in the ndarray object using append() function
	<pre>import numpy as np a=np.array([10,20,30,40,50]) print(a,type(a))</pre>
	[10 20 30 40 50] <class 'numpy.ndarray'=""></class>
	np.append(a,100) # appending 1 element to view. Always Append() adds value to the end of the array. array([10, 20, 30, 40, 50, 100])
	array([10, 20, 30, 40, 50, 100])
	np.append(a,100,60) # trying to append 2 values at a time for view. array([10, 20, 30, 40, 50, 100])
	a=np.append(a,100,60)
L	a # append will take only 1 element at a time
	array([10, 20, 30, 40, 50, 100])
	# appending multiple elements at a time we need to enter it using list a=np.append(a,[75,82,60])
L	print(a,type(a)) # append values are assigned to the existing 1D array
[<u>*</u> *] •	[10 20 30 40 50 100 75 82 60] <class 'numpy.ndarray'=""></class>
	# Insert() Function a=np.array([10,20,30,40,50,60])
	print(a,type(a),id(a)) [10 20 30 40 50 60] <class 'numpy.ndarray'=""> 1989481027888</class>
	np.insert(a,3,52) #inserting value 52 in ndarray object "a" at 3rd position using insert()
Out[24]:	array([10, 20, 30, 52, 40, 50, 60])
In [25]:	
	[10 20 30 40 50 60] a= np.insert(a,3,52) #inserting value 28 in ndarray object "a" at 2nd position using insert()
	<pre>print(a,type(a))</pre>
	[10 20 30 52 40 50 60] <class 'numpy.ndarray'=""> #Replace the values of ndarray</class>
	a[2]=25 print(a,type(a))
	[10 20 25 52 40 50 60] <class 'numpy.ndarray'=""></class>
L	a[0:2]= [111,121] #replace seried of values
In [29]: Out[29]:	a array([111, 121, 25, 52, 40, 50, 60])
	<pre>np.delete(a,[1,2])</pre>
Out[30]:	array([111, 52, 40, 50, 60])
In [31]:	
Out[31]:	array([111, 121, 25, 52, 40, 50, 60])
	<pre>a=np.delete(a,[2,4]) print(a)</pre>
	[111 121 52 50 60]
	a= np.array([111, 121, 25, 52, 40, 50, 60]) a
Out[34]:	array([111, 121, 25, 52, 40, 50, 60])
In [35]:	np.delete(a,[1:3]) # we can directly use slicing here to delete the elements
	<pre>File "C:\Users\asus\AppData\Local\Temp\ipykernel_24280\2122425300.py", line 1 np.delete(a,[1:3]) ^</pre>
	SyntaxError: invalid syntax a=np.delete(a,[0,-1,-3]) # 3 selected elements deleted usinhg indexing strategy with delete()
	a
	array([121, 25, 52, 50])
	a=np.array([10,50,23,52,85,96,75,86,96]) a
Out[45]:	array([10, 50, 23, 52, 85, 96, 75, 86, 96])
	a.shape=(3,3) a
Out[48]:	array([[10, 50, 23], [52, 85, 96], [75, 86, 96]])
In [50]:	[75, 86, 96]]) np.delete(a,2,axis=0) #3rd column from the array is deleted
	array([[10, 50, 23],
In [51]:	a
Out[51]:	array([[10, 50, 23],
In [57]:	[75, 86, 96]]) np.delete(a,1,axis=1) # 2nd row is deleted(count starts from 0)
	array([[10, 23], [52, 96],
In [60].	[75, 96]]) a=np.array([10,50,23,52,85,96,75,86,96])
	a=hp.array([10,30,23,32,83,90,73,80,90]) a.shape=(3,3) print(a,type(a))
	[[10 50 23] [52 85 96]
In [621:	[75 86 96]] <class 'numpy.ndarray'=""> np.insert(a,1,[26,85,96],axis=0)</class>
	array([[10, 50, 23],
	[26, 85, 96], [52, 85, 96], [75, 86, 96]])
In [63]:	a
Out[63]:	array([[10, 50, 23],
In [64]:	[75, 86, 96]]) np.insert(a,0,[45,75,65],axis=1)
Out[64]:	array([[45, 10, 50, 23], [75, 52, 85, 96],
	[65, 75, 86, 96]])
In [66]:	a=np.delete(a,1,axis=1) # processed thrice so ended up getting single column a
	array([[10],
	[52] , [75]])
	np.insert(a,1,[85,65,96],axis=1) # processed twice array([[10, 85],
Out[72]:	array([[10, 85], [52, 65], [75, 96]])
	np.delete(a,[0,2],axis=0)
Out[71]:	array([[52]])