```
In [1]: #Advanced Elements Selection from ndarray----1D
 In [2]: import numpy as np
 In [3]: lst=[10,20,30,40,50,60,70,80,90]
         a=np.array(lst)
         print(a,type(a))
         [10 20 30 40 50 60 70 80 90] <class 'numpy.ndarray'>
 In [4]: #Step-1: Identity Indices of random Elements (Ex: 10,30 and 90)
         ind=[0,2,8]
 In [5]: |#Step-2: Pass the Random Indices values to ndarray object
         a[ind]
 Out[5]: array([10, 30, 90])
 In [7]: #OR
         a[[0,2,8]]
 Out[7]: array([10, 30, 90])
 In [8]:
         #OR
         ind=[0,2,8]
         x=np.array(ind)
         print(x,type(x))
         a[x]
         [0 2 8] <class 'numpy.ndarray'>
 Out[8]: array([10, 30, 90])
 In [9]: #Advanced Elements Selection from ndarray----2D
In [10]: |lst=[10,20,30,40,50,60,70,80,90]
         a=np.array(lst)
         a.shape=(3,3)
         print(a,type(a))
         [[10 20 30]
          [40 50 60]
          [70 80 90]] <class 'numpy.ndarray'>
In [12]: a[(0,1),(0,2)]
Out[12]: array([10, 60])
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In [13]: a[(0,1,2),(0,1,2)]
Out[13]: array([10, 50, 90])
In [14]: a[(0,1,2),(2,1,0)]
Out[14]: array([30, 50, 70])
In [16]: a[(0,0,2,2),(1,2,0,1)]
Out[16]: array([20, 30, 70, 80])
In [17]: #Advanced Elements Selection from ndarray----nD
In [18]: | lst=[10,20,30,40,50,60,70,80,90,15,25,35,65,75,85,15,55,65]
         a=np.array(lst)
         a.shape=(3,2,3)
         print(a,type(a))
         [[[10 20 30]
           [40 50 60]]
          [[70 80 90]
           [15 25 35]]
          [[65 75 85]
           [15 55 65]]] <class 'numpy.ndarray'>
In [19]: a[(0,1),(0,1),(0,1)]
Out[19]: array([10, 25])
In [20]: a[(0,2,1),(0,0,1),(0,0,2)]
Out[20]: array([10, 65, 35])
 In [ ]:
```