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In [1]: import numpy as np
 In [8]: #python has built in min and max functions for finding minimum elements of an array
          a=np.array([2,1,4,5,3,6])
          #different ways to find minimum element and finding the time taken for execution
          %timeit a.min()
          %timeit min(a)
          %timeit np.min(a)
          2.12 \mu s ± 291 ns per loop (mean ± std. dev. of 7 runs, 100,000 loops each)
          1.27 \mus \pm 160 ns per loop (mean \pm std. dev. of 7 runs, 1,000,000 loops each)
          5.02 \mus \pm 564 ns per loop (mean \pm std. dev. of 7 runs, 100,000 loops each)
 In [9]: #different ways to find minimum element and finding the time taken for execution
          %timeit a.max()
          %timeit max(a)
          %timeit np.max(a)
          2.42 \mu s ± 99.5 ns per loop (mean ± std. dev. of 7 runs, 1,000,000 loops each)
          1.36 \mus \pm 121 ns per loop (mean \pm std. dev. of 7 runs, 1,000,000 loops each)
          4.62~\mu s~\pm~406 ns per loop (mean \pm std. dev. of 7 runs, 100,000 loops each)
In [29]: #aggregate funtions along rows and columns
          #addition argument axis is given
          b=np.random.randint(0,5,(3,3))
          print(b)
          print("Sum of all elements=",np.sum(b))#gives sum of all elements of the array
          print("Sum of elements along each row=",np.sum(b,axis=1))#gives sum along rows only
print("Sum of elements along each column=",np.sum(b,axis=0))#gives sums along columns only
          print("Minimum elements along each row=",b.min(axis=1))#gives minimum element along each row
          print("Minimum elements along each column=",b.min(axis=0))#gives minimum element along each column
          [[0 4 4]
           [2 3 0]
           [2 1 3]]
          Sum of all elements= 19
          Sum of elements along each row= [8 5 6]
          Sum of elements along each column= \begin{bmatrix} 4 & 8 & 7 \end{bmatrix}
          Minimum elements along each row= [0 0 1]
          Minimum elements along each column= [0 1 0]
 In [7]: #nansafe aggreagate functions will assign a nan(not a number)for invalid or missing data
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