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Addition of NumPy array:
   ^{\star} If you want to add all the elements present in the both the array then use sum method.
In [1]:
import numpy as np
In [2]:
n1 = np.array([10,20])
n2 = np.array([30,40])
In [3]:
np.sum([n1,n2])
Out[3]:
100
   ^{\star} If you want to add the corresponding elements of both the array then use sum method with
   axis value 0.
In [4]:
np.sum([n1,n2],axis = 0)
Out[4]:
array([40, 60])
   ^{\star} If you want to add the elements present in both the array seperately then use sum method
   with axis value 1.
In [5]:
np.sum([n1,n2],axis = 1)
Out[5]:
array([30, 70])
Basic NumPy Array Mathematics:
1.) Basic Addition:
In [26]:
n3 = np.array([10,20,30])
In [27]:
n3 = n3 + 1
nЗ
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Out[27]:

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array([11, 21, 31])
2.) Basic Subtraction:
In [20]:
n4 = np.array([10,20,30])
In [21]:
n4 = n4 - 5
Out[21]:
array([ 5, 15, 25])
3.) Basic Multiplication:
In [22]:
n5 = np.array([10,20,30])
In [23]:
n5 = n5 * 5
Out[23]:
array([ 50, 100, 150])
4.) Basic Division:
In [24]:
n6 = np.array([10,20,30])
In [25]:
n6 = n6 / 10
n6
Out[25]:
array([1., 2., 3.])
Basic Math Functions:
1.) Mean:
In [29]:
n7 = np.array([10,20,30,40,50,60])
np.mean(n7)
Out[29]:
35.0
2.) Median:
In [31]:
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n8 = np.array([11,44,5,96,67,85])
np.median(n8)

Out[31]:
55.5

3.) Standard Deviation:
In [33]:
    n9 = np.array([1,5,3,100,4,48])
    np.std(n9)

Out[33]:
36.59424666377065

In []:
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