```
In [1]:
         import numpy as np
In [2]: | a = np.array([1,2,3,4])
         print(a)
         [1 2 3 4]
         a+2
In [3]:
Out[3]: array([3, 4, 5, 6])
         a-2
In [4]:
Out[4]: array([-1, 0, 1, 2])
In [5]:
         a*2
Out[5]: array([2, 4, 6, 8])
In [6]:
        a/2
Out[6]: array([0.5, 1. , 1.5, 2. ])
In [7]:
         a*a
Out[7]: array([ 1, 4, 9, 16])
         b = np.array([1,0,1,0])
In [8]:
          print(b)
         [1 0 1 0]
        a + b
In [9]:
Out[9]: array([2, 2, 4, 4])
         # Take the sine()
In [10]:
          np.sin(a)
Out[10]: array([ 0.84147098, 0.90929743, 0.14112001, -0.7568025 ])
In [11]:
         #Linear Algebra
In [12]:
         a = np.ones((2,3))
         print(a)
          b = np.full((3,2), 2)
          print(b)
         [[1. 1. 1.]
         [1. 1. 1.]]
         [[2 2]
         [2 2]
          [2 2]]
```