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| --- |
| import numpy as np |
| arr=np.array([1,2,3,4,5,6]) |
| arr.ndim |
| arr.shape |
| arr=np.arange(2,5,2) |
| np.zeros((3,3)) |
| np.ones((2,2)) |
| np.diag([1,2,3,4]) |
| np.identity(3) |
| arr=np.random.randint(10,100,size=(3,4)) |
| arr[2][2] |
| arr[2:5][1:4] |
| mask=arr>55 |
| arr[mask] |
| arr[2:,2:]=0 |
| a+b,a-b,a\*b,b\*\*2[Where a &b are numpy arrays] |
| np.log(a),np.sin(a)[Other Mathematical Operations] |
| np.dot(A,B) |
| A.reshape(6,4) |
| np.sqrt(A) |
| np.sum(A),np.max(A),np.min(A),np.mean(A),np.std(A) |
| np.mean(A,axis=0), np.sum(A,axis=1) |
| A.flatten() |
| A.T |
| np.hstack((A,B)) |
| np.vstack((A,B)) |
| newArr=newArr[:,[1,0,3,2]] --> Change the order of columns to 1,0,3,2. |
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