

Introduction	
Import Numpy	<code>import numpy as np</code>
Version	<code>np.version</code>
Version number	<code>np.version.version, np.__version__</code>
Configuration	<code>np.show_config()</code>
Info	<code>np.info(np.add)</code>
Size	<code>a.size</code>
Itemsize	<code>a.itemsize</code>
1D	<code>a = np.array( [ 1, 2, 3 ] )</code>
2D	<code>a = np.array( [ [1], [2] ] )</code>
3D	<code>a = np.array( [ [ [1], [2] ], [ [3], [4] ] ] )</code>
Empty	<code>a = np.empty(10)</code>
Zero & Int	<code>a = np.zeros(10, int)</code>
One & Str	<code>a = np.ones([4, 2], str)</code>
Range	<code>a = np.arange(10)</code>
Linspace	<code>a = np.linspace(0, 10, num=5)</code>
Concatenate	<code>c = np.concatenate((a, b), axis=0)</code>
Sort & Reverse	<code>b = np.sort(a)[::-1]</code>
Reshape	<code>b = a.reshape(3,2)</code>
Filters	<code>a[a &lt; 5], a[b], a[a % 2 == 0], a[1:-1]</code>
Operations	<code>a + a, a.sum(), a.min(), a.max()</code>
Dot	<code>np.dot(a, b)</code>
Random 0	<code>rng = np.random.default_rng()</code>
Random 1	<code>a = rng.integers(10, size=(3, 4))</code>
Random 2	<code>b = np.random.randint(10, size=10)</code>
Random 3	<code>c = np.random.rand()</code>
Random 4	<code>d = np.random.normal(13, 1, 15)</code>
Resize	<code>a.resize(filas, columnas, refcheck=false)</code>
NaN & Is NaN & Infinity	<code>np.nan, np.isnan, np.inf</code>
Is +Infinity & Is -Infinity	<code>np.isposinf(a), np.isneginf(a)</code>
Is Complex	<code>np.iscomplex(a)</code>
Is Real	<code>np.isreal(a)</code>
Is Scalar	<code>np.isscalar(13.13)</code>
Tolerance	<code>np.allclose(a, b)</code>
Greater & Greater equal	<code>np.greater(a, b), np.greater_equal(a, b)</code>

Introduction (cont)	
Less & Less equal	<code>np.less(a, b), np.less_equal(a, b)</code>
Full	<code>np.full(10, 5)</code>
Identity	<code>np.identity(3)</code>

Introduction	
Astype	<code>a.astype(float)</code>
Changing values	<code>a[1:-1, 1:-1] = 0</code>
Changing values 1	<code>a[:,2, :2] = 1</code>
Pad	<code>np.pad(a, pad_width=1, mode='constant', constant_values=0)</code>



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Page 1 of 1.

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