numpy.random.rand

`numpy.random.` **rand** (*d0*, *d1*, *...*, *dn*)

Random values in a given shape.

Create an array of the given shape and populate it with random samples from a uniform distribution over `[0, 1)`.

Parameters:	**d0, d1, …, dn** *: int, optional*
	The dimensions of the returned array, should all be positive. If no argument is given a single Python float is returned.
Returns:	**out** *: ndarray, shape* `(d0, d1, ..., dn)`
	Random values.

See also:
`random` (numpy.random.random.html#numpy.random.random)

Notes

This is a convenience function. If you want an interface that takes a shape-tuple as the first argument, refer to np.random.random_sample .

Examples

```
>>> np.random.rand(3,2)
array([[ 0.14022471,  0.96360618],  #random
       [ 0.37601032,  0.25528411],  #random
       [ 0.49313049,  0.94909878]]) #random
```

Previous topic

Random sampling (`numpy.random`) (../routines.random.html)

Next topic

numpy.random.randn (numpy.random.randn.html)