

numpy_prac_10

```
>>
import numpy as np
a=np.array([1,2,3,4]) # creating 1d numpy array
print(a)

[1 2 3 4]

>>
type(a) # type of a

numpy.ndarray

>>
a.ndim # dimention of a

1

>>
np.shape(a) # how many columns and rows in a

(4,)

>>
b=np.array([[1,2,3],[4,5,6]]) # creating 2d array
print(b)

[[1 2 3]
 [4 5 6]]

>>
b.ndim

2

>>
b.size # total number of elements in b

6

>>
a.size

4

>>
b.shape

(2, 3)

>>
a.dtype # shows which type(data type) of elements does a include
dtype('int32')
```