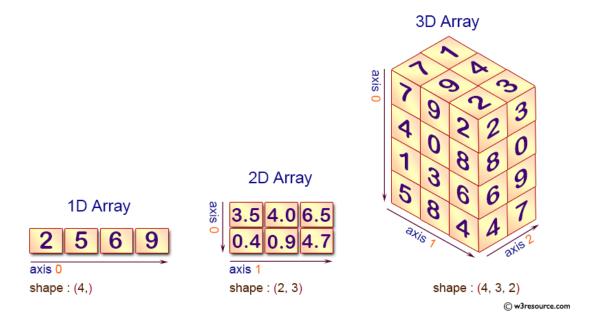
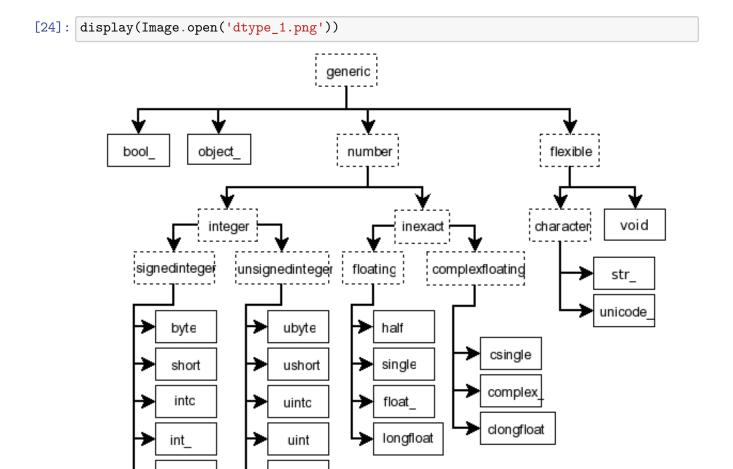
e-1

March 11, 2025

```
[17]: import numpy as np
      from PIL import Image
      from IPython.display import display
[18]: a = np.array([
          [1, 2],
          [4, 3],
          [5, 6]
      ])
[19]: a.ndim # dimns
[19]: 2
[20]: a.shape # shape by axis
[20]: (3, 2)
[21]: a.dtype # type of data
[21]: dtype('int64')
[22]: type(a)
[22]: numpy.ndarray
[23]: display(Image.open('axis_shape.png'))
```





ulonglong

longlong

[25]: display(Image.open('dtype_2.png'))

