0_array_append_sample

January 16, 2021

```
In [7]: import numpy as np
        import matplotlib.pyplot as plt

        arr = np.empty((0,2), float)
        arr = np.append(arr, np.array([[1, 3]]), axis=0)
        arr = np.append(arr, np.array([[4, 0]]), axis=0)
        arr

Out[7]: array([[1., 3.],
               [4., 0.]])

In [8]: arr = np.append(arr, np.array([[1, 3]]), axis=0)
        arr = np.append(arr, np.array([[4, 0]]), axis=0)
        arr

Out[8]: array([[1., 3.],
               [4., 0.],
               [1., 3.],
               [4., 0.]])

In [11]: dd=[arr,arr]

In [12]: dd[1]

Out[12]: array([[1., 3.],
                [4., 0.],
                [1., 3.],
                [4., 0.]])

In [13]: dd[0]

Out[13]: array([[1., 3.],
                [4., 0.],
                [1., 3.],
                [4., 0.]])

In [15]: dd=[]
         dd.append(arr)
         dd
```

```
Out[15]: [array([[1., 3.],
                  [4., 0.],
                  [1., 3.],
                  [4., 0.]])]

In [16]: dd.append(arr)
         dd

Out[16]: [array([[1., 3.],
                  [4., 0.],
                  [1., 3.],
                  [4., 0.]]), array([[1., 3.],
                  [4., 0.],
                  [1., 3.],
                  [4., 0.]])]

In [17]: len(dd)

Out[17]: 2

In [18]: points_np_merge

        ---------------------------------------------------------------------------

        NameError                                 Traceback (most recent call last)

        <ipython-input-18-386d18f8b644> in <module>()
    ----> 1 points_np_merge


        NameError: name 'points_np_merge' is not defined


In [ ]:
```