in_class_2024-04-10

April 10, 2024

1 In Class Work 2024-04-10

Class Notes

[4]:
```
import numpy as np
```

[5]:
```
# create an array of arrays
x = [[1,2,3],[4,5,6]]
x
```

[5]:
```
[[1, 2, 3], [4, 5, 6]]
```

[7]:
```
# create a numpy array of arrays
x_arr = np.array(x)
x_arr
```

[7]:
```
array([[1, 2, 3],
       [4, 5, 6]])
```

[8]:
```
# A tuple showing the length of each dimension of an ndarray.
x_arr.shape
```

[8]:
```
(2, 3)
```

[5]:
```
# Gives a new shape to an array without changing its data.
x_arr.reshape((3,2))
```

[5]:
```
array([[1, 2],
       [3, 4],
       [5, 6]])
```

[9]:
```
# prove reshape definition
x_arr.reshape((3,2)).shape
```

[9]:
```
(3, 2)
```

[ ]:
```

```