5_ndarray_operation_functions

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```
In [ ]: import numpy as np
operation in array
In []: test_array = np.arange(1,11)
       test_array
In [ ]: test_array.sum(dtype=np.float)
In []: test_array = np.arange(1,13).reshape(3,4)
       test_array.sum()
In [ ]: test_array
In [ ]: test_array.sum(axis=1), test_array.sum(axis=0)
In [ ]: third_order_tensor = np.array([test_array,test_array])
       third_order_tensor
In [ ]: third_order_tensor.sum(axis=2)
In [ ]: third_order_tensor.sum(axis=1)
In [ ]: third_order_tensor.sum(axis=0)
In []: test_array = np.arange(1,13).reshape(3,4)
       test_array
In [ ]: test_array.mean(), test_array.mean(axis=0)
In []: test_array.std(), test_array.std(axis=0)
In [ ]: np.exp(test_array), np.sqrt(test_array)
```

Concatenate