## **TENSORS**

- A torch. Tensor is a multi-dimensional matrix containing elements of a single data type.
- Similar To Numpy Arrays, but full of fun things that make them work better on GPU's (vs regular CPU's).
- default data type of float32.
- More suitable for deep learning than a numpy array.

```
1 import torch
2 import numpy as np
```

## - LISTS

```
1  my_list = [1, 2, 3, 4, 5]
2  my_list
3
  [1, 2, 3, 4, 5]

1 my_list = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10]]
2 my_list
3
  [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10]]
```

## NUMPY ARRAYS

## TENSORS

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```
[0., 0., 0., 0.],
[0., 0., 0., 0.]],
[[0., 0., 0., 0.],
[0., 0., 0., 0.],
[0., 0., 0., 0.]]])
```

1

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