Importing PyTorch From https://pytorch.org/ website where

PyTorch Build Stable (1.9.0) OS Linux Package Pip Language
 Python Compute Platform CPU

```
pip install torch==1.9.0+cpu torchvision==0.10.0+cpu torchaudio==0.9.0 -f <a href="https://download.pytorch.org/whl/torch_stable.html">https://download.pytorch.org/whl/torch_stable.html</a>
```

```
import torch

torch.__version__
'1.9.0+cpu'
```

Tensor is same like numpy array or nd-array

In torch we can do the same operations of numpy

```
#To make a one array of row 4 & col 4
a_0ne = torch.ones(4,4)
print(a One)
     tensor([[1., 1., 1., 1.],
            [1., 1., 1., 1.],
            [1., 1., 1., 1.],
            [1., 1., 1., 1.]])
#To make an array of random values with row 4 & col 4
Ran = torch.rand(4,4)
print(Ran)
     tensor([[0.2008, 0.3556, 0.2323, 0.0916],
             [0.9762, 0.2004, 0.9662, 0.3331],
             [0.1973, 0.1248, 0.4539, 0.6970],
             [0.2410, 0.8835, 0.3881, 0.2648]])
#Addition Operation
a1 = torch.rand(2, 2)
a2 = torch.rand(2, 2)
print(a1)
     tensor([[0.2493, 0.6974],
            [0.4215, 0.4909]])
print(a2)
     tensor([[0.5253, 0.9814],
             [0.3059, 0.7764]])
Will use 3 method to add a1 with a2
print(a1 + a2)
 [0.7274, 1.2672]
print(a1.add(a2))
     tensor([[0.7746, 1.6787],
             [0.7274, 1.2672]])
```

✓ 0s completed at 9:51 AM

X