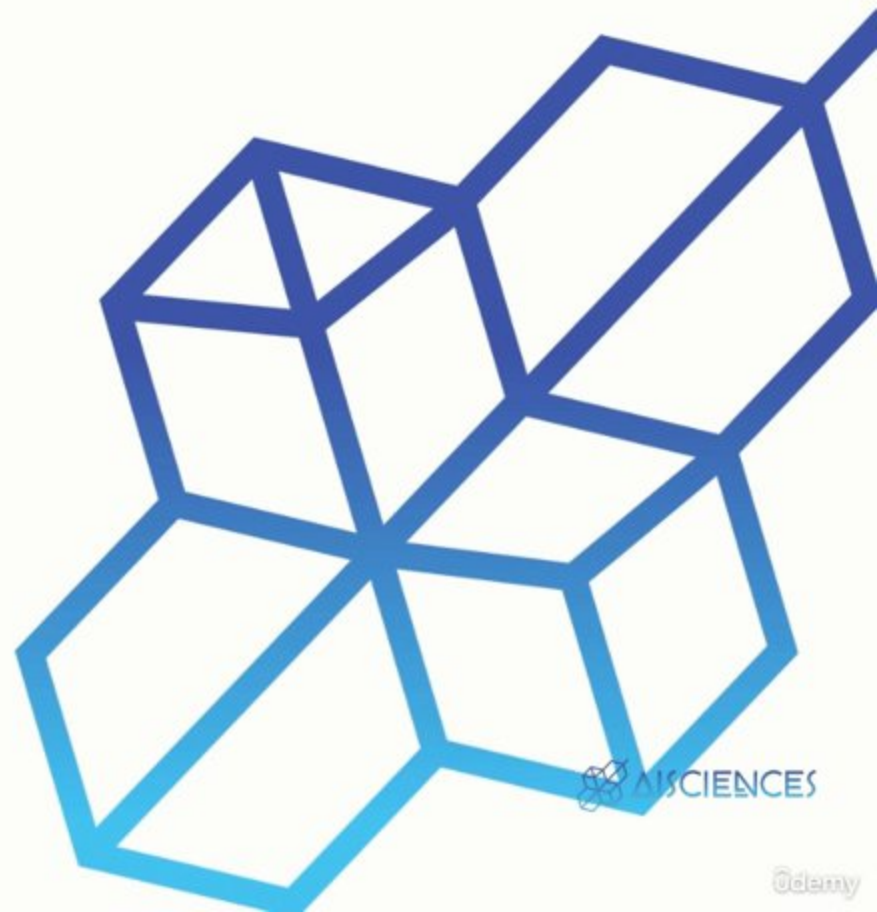
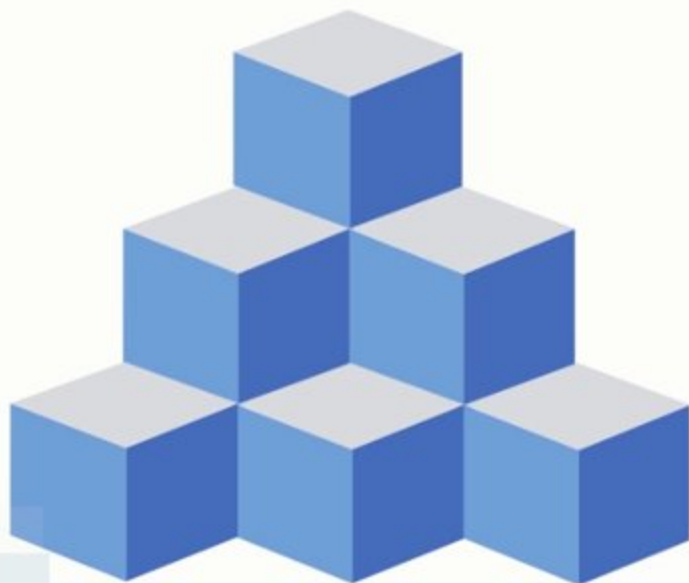


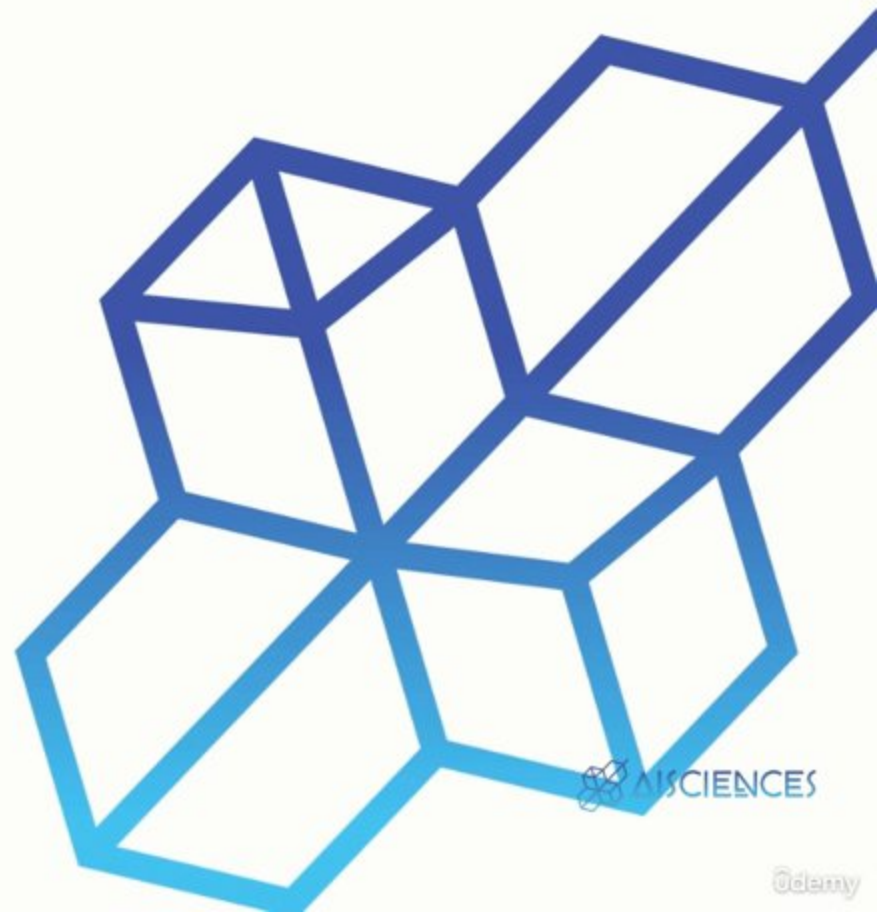
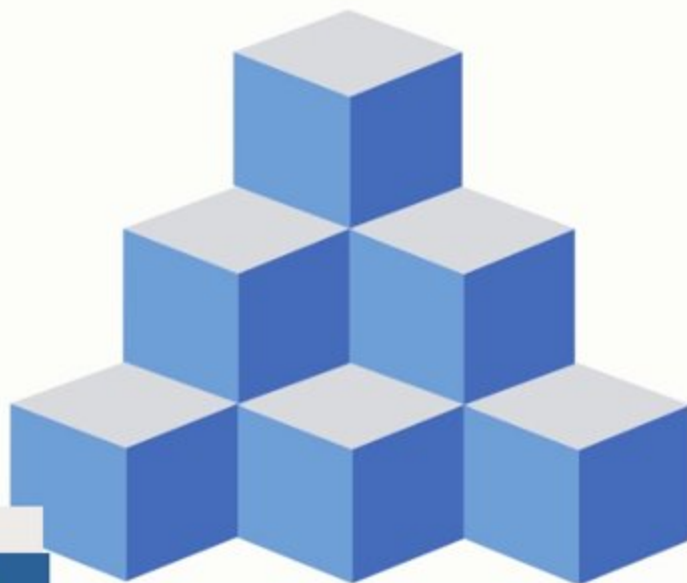
# TENSORS



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# TENSORS



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Pytorch.ipynb - Colab

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RAMDisk

Gemini

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+ Code + Text

Tensor Ops

torch.zeros

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Pytorch.ipynb - Colab

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[83] ones = torch.ones(2,4)  
ones

tensor([[1., 1., 1., 1.],  
[1., 1., 1., 1.]])

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Tensor Ops

0s

torch.zeros(2,5,3)

tensor([[[0., 0., 0.],  
[0., 0., 0.],  
[0., 0., 0.],  
[0., 0., 0.],  
[0., 0., 0.]],  
  
[[0., 0., 0.],  
[0., 0., 0.],  
[0., 0., 0.],  
[0., 0., 0.],  
[0., 0., 0.]])

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Tensor Ops

torch.zeros(2,3)

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Tensor Ops

torch.zeros(2,3)

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[87] large\_ones = torch.ones(2,3, dtype=torch.float64)  
large\_ones  
  
tensor([[1., 1., 1.],  
[1., 1., 1.]], dtype=torch.float64)

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[87] large\_ones = torch.ones(2,3, dtype=torch.float64)

large\_ones

tensor([[1., 1., 1.],  
[1., 1., 1.]], dtype=torch.float64)

0s

torch.rand(2,3)

tensor([[0.6429, 0.9708, 0.1673],  
[0.8610, 0.7731, 0.9792]])

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[87] large\_ones = torch.ones(2,3, dtype=torch.float64)

large\_ones

tensor([[1., 1., 1.],  
[1., 1., 1.]], dtype=torch.float64)

✓

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▶

 torch.rand(2,3)

tensor([[0.6429, 0.9708, 0.1673],  
[0.8510, 0.7731, 0.9792]])

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RAMDisk

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[88] torch.rand(2,3)

↔ tensor([[0.6429, 0.9708, 0.1673],  
[0.8610, 0.7731, 0.9792]])

✓ 0s

▶

 torch.randint(5, 10, (5,3))

↔ tensor([[6, 5, 8],  
[7, 6, 6],  
[5, 5, 7],  
[9, 9, 9],  
[7, 9, 7]])

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✓0s

[91] torch.randint(5, 10, (5,3))

↗

tensor([[6, 5, 8],  
[7, 6, 6],  
[5, 5, 7],  
[9, 9, 9],  
[7, 9, 7]])

✓0s

▶

torch.randint(5, 10, (4,4))

↗

tensor([[9, 5, 7, 9],  
[9, 5, 6, 7],  
[6, 8, 6, 9],  
[9, 9, 8, 6]])

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RAMDisk

Gemini

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[91] torch.randint(5, 10, (5,3))

↗  
tensor([[6, 5, 8],  
[7, 6, 6],  
[5, 5, 7],  
[9, 9, 9],  
[7, 9, 7]])

✓0s

▶

torch.randint(5, 10, (4,4))

↗  
tensor([[9, 5, 7, 9],  
[9, 5, 6, 7],  
[6, 8, 6, 9],  
[9, 9, 8, 6]])

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RAMDisk

Gemini

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```
target_ones
[87] tensor([[1., 1., 1.],
         [1., 1., 1.]], dtype=torch.float64)
```

✓ 0s

```
[88] torch.rand(2,3)

tensor([[0.6429, 0.9708, 0.1673],
        [0.8610, 0.7731, 0.9792]])
```

✓ 0s

```
torch.randint(5, 10, (5,3))

tensor([[6, 5, 8],
        [7, 6, 6],
        [5, 5, 7],
        [9, 9, 9],
        [7, 9, 7]])
```

✓ 0s

```
[94] t = torch.randint(5, 10, (4,4))
t

tensor([[5, 8, 5, 8],
        [7, 5, 9, 6],
        [5, 9, 8, 8],
        [9, 7, 7, 5]])
```

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RAMDisk

Gemini

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+ Code+ TextAll changes saved

[99]

[8, 8],

[9, 7],

[7, 5]]])

0s

t.view(2,4,2)

tensor([[[5, 8],

[5, 8],

[7, 5],

[9, 6]],

[[5, 9],

[8, 8],

[9, 7],

[7, 5]]])

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