LAB-2

Initializers:

1. Baseline model for classification on CIFAR10 dataset
   loss: 1.4600
   acc: 0.4675
   val_loss: 1.4799
   val_acc: 0.4720

2. Model with Initializer as random uniform and zeros
   loss: 1.4600
   acc: 0.4701
   val_loss: 1.4801
   val_acc: 0.4650

3. Model with weights as ones
   loss: 14.501
   acc: 0.0999
   val_loss: 14.5063
   val_acc: 0.1000

4. Model initialized with constant values
   loss: 14.501
   acc: 0.0999
   val_loss: 14.5063
   val_acc: 0.1000

5. RandomNormal
   loss: 1.4667
   acc: 0.4748
   val_loss: 1.4949
   val_acc: 0.4652

6. RandomUniform
   loss: 1.4584
   acc: 0.4782
   val_loss: 1.4513
   val_acc: 0.4890

7. TruncatedNormal
   loss: 1.4590
   acc: 0.4782
   val_loss: 1.4486
   val_acc: 0.4865

8. VarianceScaling
   loss: 1.4508

acc: 0.4818
val_loss: 1.4495
val_acc: 0.4860

9. Orthogonal
loss: 1.5190
acc: 0.4586
val_loss: 1.5585
val_acc: 0.4411

10. Identity
loss: 2.0564
acc: 0.1897
val_loss: 2.0474
val_acc: 0.1890

11. lecun_uniform
loss: 1.4452
acc: 0.4819
val_loss: 1.4938
val_acc: 0.4692

12. Glorot_normal
loss: 1.4526
acc: 0.4815
val_loss: 1.4702
val_acc: 0.4772

13. Glorot_uniform
loss: 1.4541
acc: 0.4787
val_loss: 1.4801
val_acc: 0.4710

14. He_normal
loss: 1.4651
acc: 0.4730
val_loss: 1.4525
val_acc: 0.4782

15. Lecun_normal
loss: 1.4723
acc: 0.4714
val_loss: 1.4658
val_acc: 0.4787

16. He_uniform

loss: 1.4605
acc: 0.4770
val_loss: 1.5019
val_acc: 0.4591