|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Train-accuracy** | **Train-Loss** | **Validation-Accuracy** | **Validation-Loss** |
| ***Baseline model for classification on CIFAR10 dataset*** | 0.4729 | 1.4734 | 0.4679 | 1.4891 |
| ***Model with Initializer as random uniform and zero*** | 0.4777 | 1.4586 | 0.4806 | 1.4653 |
| ***Model with weights as ones*** | 0.100 | 14.5063 | 0.100 | 14.5063 |
| ***Model with weights as ones*** | 0.0971 | 2.3027 | 0.100 | 2.3026 |
| ***Random Normal*** | 0.4760 | 1.4600 | 0.4773 | 1.4583 |
| ***Random Uniform*** | 0.4741 | 1.4653 | 0.4637 | 1.5043 |
| ***Truncated Normal*** | 0.4797 | 1.4520 | 0.4838 | 1.4516 |
| ***Variance Scaling*** | 0.4791 | 1.4554 | 0.4827 | 1.4596 |
| ***Orthogonal*** | 0.4681 | 1.4881 | 0.4449 | 1.5375 |
| ***Identity*** | 0.2469 | 1.9481 | 0.2471 | 1.9408 |
| ***Lecun\_uniform*** | 0.4816 | 1.4480 | 0.4646 | 1.4871 |
| ***Glorot\_normal*** | 0.4761 | 1.4659 | 0.4633 | 1.5064 |
| ***Glorot\_uniform*** | 0.4791 | 1.4555 | 0.4653 | 1.4953 |
| ***He\_mormal*** | 0.4743 | 1.4707 | 0.4674 | 1.4898 |
| ***Lecun\_normal*** | 0.4836 | 1.4428 | 0.4688 | 1.4875 |
| ***Lecun\_normal*** | 0.4737 | 1.4688 | 0.4710 | 1.4752 |

**Practical 2**

**Usage if Initializers**