Result of LoRA Part One

Average Loss = 0.20655515794894502
****
BEFORE LoRA APPLICATION
Layer Name = linear1.weight
Parameter Size = torch.Size([1000, 784])
Layer Name = linear1.bias
Parameter Size = torch.Size([1000])
Layer Name = linear2.weight
Parameter Size = torch.Size([2000, 1000])
Layer Name = linear2.bias
Parameter Size = torch.Size([2000])
Layer Name = linear3.weight
Parameter Size = torch.Size([10, 2000])
Layer Name = linear3.bias
Parameter Size = torch.Size([10])
****
Total Number of Parameters = 2807010
Accuracy Before Application of LoRA
****
accuracy=96.15
****
Wrong Count for Digit 0 = 15
Wrong Count for Digit 1 = 6
Wrong Count for Digit 2 = 61
Wrong Count for Digit 3 = 66
Wrong Count for Digit 4 = 7
Wrong Count for Digit 5 = 27
Wrong Count for Digit 6 = 29
Wrong Count for Digit 7 = 36
Wrong Count for Digit 8 = 55
Wrong Count for Digit 9 = 83
****
AFTER LoRA APPLICATION
Layer Name linear1.bias
Parameter Size torch.Size([1000])
Layer Name linear1.parametrizations.weight.original
Parameter Size torch.Size([1000, 784])
Layer Name linear1.parametrizations.weight.0.lora_A
Parameter Size torch.Size([1, 784])
Layer Name linear1.parametrizations.weight.0.lora_B
Parameter Size torch.Size([1000, 1])
Layer Name linear2.bias
Parameter Size torch.Size([2000])
Layer Name linear2.parametrizations.weight.original
Parameter Size torch.Size([2000, 1000])
Layer Name linear2.parametrizations.weight.0.lora_A
Parameter Size torch.Size([1, 1000])

Layer Name linear2.parametrizations.weight.0.lora_B
Parameter Size torch.Size([2000, 1])
Layer Name linear3.bias
Parameter Size torch.Size([10])
Layer Name linear3.parametrizations.weight.original
Parameter Size torch.Size([10, 2000])
Layer Name linear3.parametrizations.weight.0.lora_A
Parameter Size torch.Size([1, 2000])
Layer Name linear3.parametrizations.weight.0.lora_B
Parameter Size torch.Size([10, 1])
****
PARAMETERS WHERE LoRA NOT IN NAME
Layer Name = linear1.bias
Layer Shape = torch.Size([1000])
Layer Name = linear1.parametrizations.weight.original
Layer Shape = torch.Size([1000, 784])
Layer Name = linear2.bias
Layer Shape = torch.Size([2000])
Layer Name = linear2.parametrizations.weight.original
Layer Shape = torch.Size([2000, 1000])
Layer Name = linear3.bias
Layer Shape = torch.Size([10])
Layer Name = linear3.parametrizations.weight.original
Layer Shape = torch.Size([10, 2000])
****
PARAMETERS WHERE LoRA IN NAME
Layer Name = linear1.parametrizations.weight.0.lora_A
Layer Shape = torch.Size([1, 784])
Layer Name = linear1.parametrizations.weight.0.lora_B
Layer Shape = torch.Size([1000, 1])
Layer Name = linear2.parametrizations.weight.0.lora_A
Layer Shape = torch.Size([1, 1000])
Layer Name = linear2.parametrizations.weight.0.lora_B
Layer Shape = torch.Size([2000, 1])
Layer Name = linear3.parametrizations.weight.0.lora_A
Layer Shape = torch.Size([1, 2000])
Layer Name = linear3.parametrizations.weight.0.lora_B
Layer Shape = torch.Size([10, 1])
****
INCREMENT OF PARAMETERS AFTER APPLICATION OF LoRA
Non LoRA Parameters = 2807010
LoRA Parameters = 6794
% Parameters Increment Due to LoRA 0.24203690047417004
****
accuracy=93.51
****
Wrong Count for Digit 0 = 32
Wrong Count for Digit 1 = 10
Wrong Count for Digit 2 = 59
Wrong Count for Digit 3 = 97
Wrong Count for Digit 4 = 68
Wrong Count for Digit 5 = 49

Wrong Count for Digit 6 = 38
Wrong Count for Digit 7 = 185
Wrong Count for Digit 8 = 86
Wrong Count for Digit 9 = 25