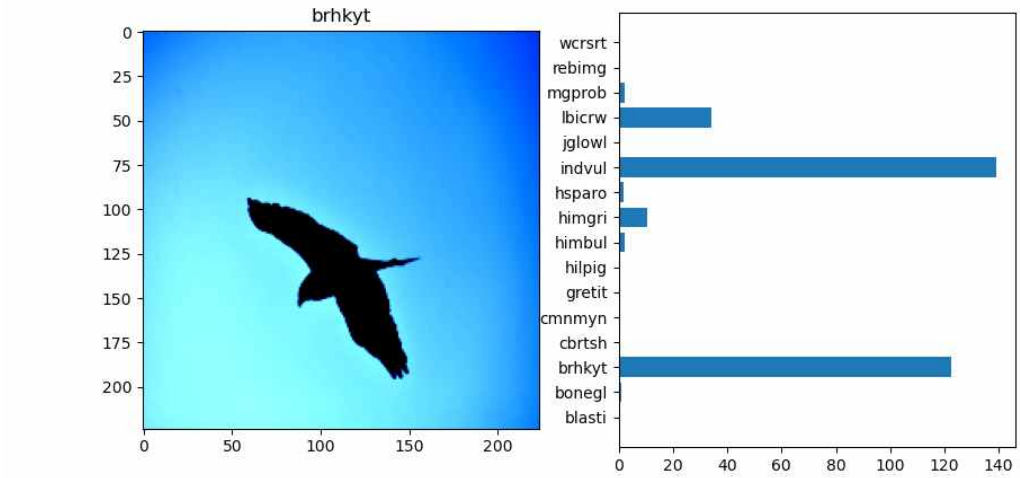
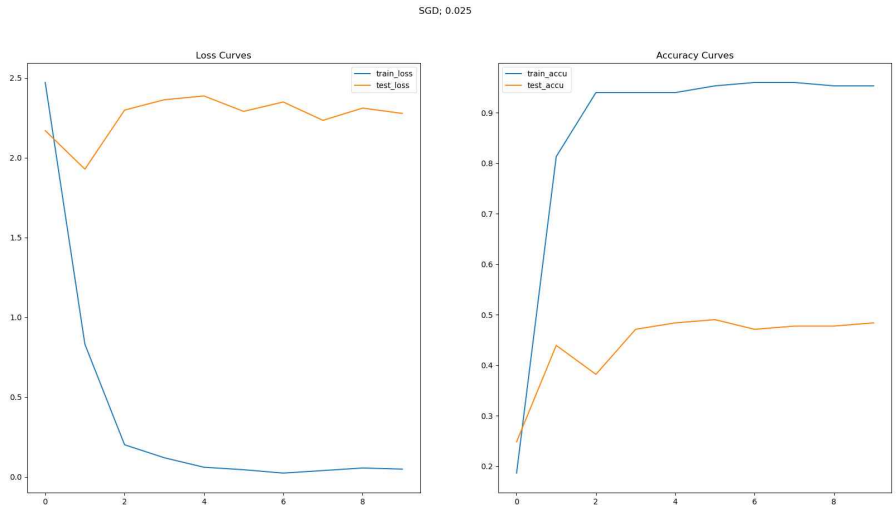
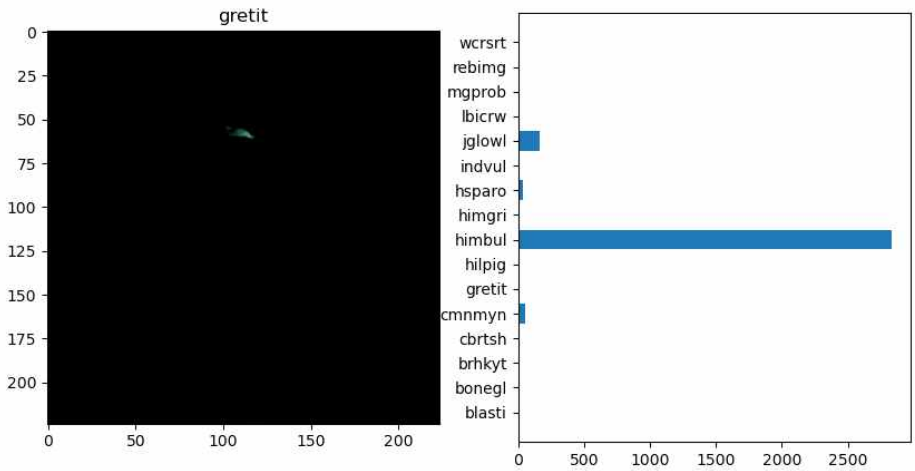
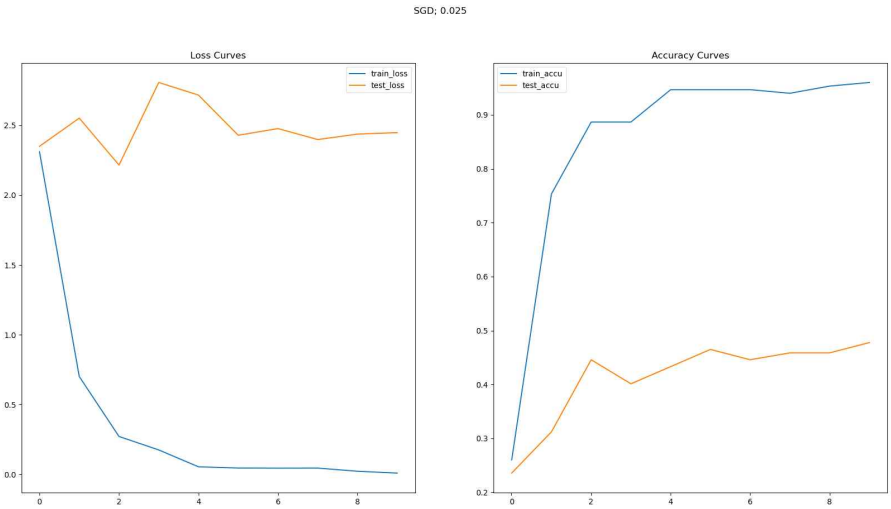
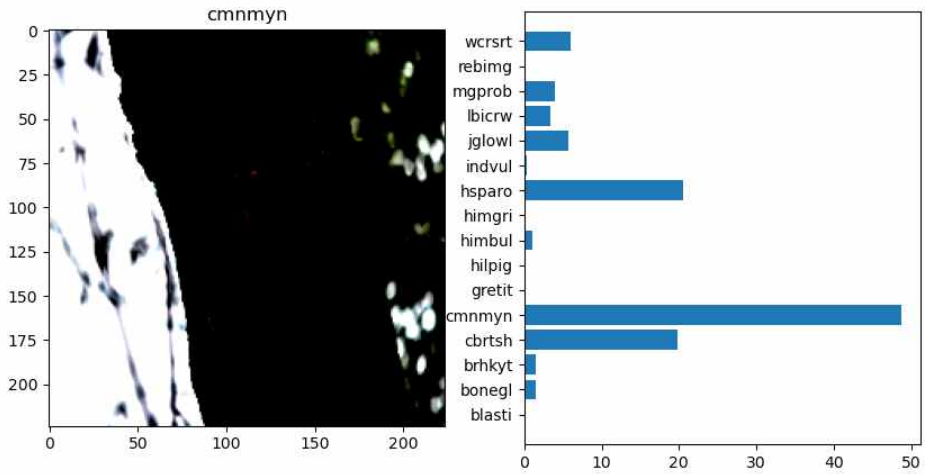
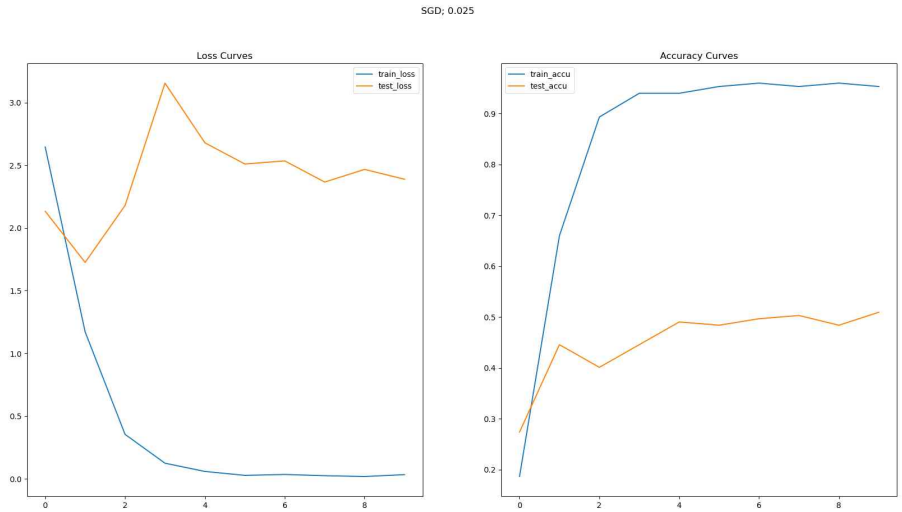
모델 결과 보고서

이나겸

실습결과
수업시간에 완성시킨 코드에서 모델 추가와 데이터 셋 등 수정해서 코드를 동작시킬 수 있었으나 accuracy와 loss 계산에 대한 이해 부족과 코드 해석 부족으로 그래프를 그리지 못하여서 예제코드로 과제 수행함. 하이퍼 파라미터 값을 변경할수록 결과가 비슷하거나 더 안 좋게 나와서 처음 설정한 값으로 돌렸다.

ResNet18	
augmentation	RandomHorizontalFlip(p=0.2), RandomVerticalFlip(p=0.2)
epoch	10
batch size	36
lr	0.025
모델 결과값	
loss 그래프	
Best val Acc	Epoch 9/9 ---------- train Loss: 0.0487 Acc: 0.9533 test Loss: 2.2777 Acc: 0.4841 Training complete in 9m 32s Best val Acc: 0.490446

ResNet34	
augmentation	RandomHorizontalFlip(p=0.2), RandomVerticalFlip(p=0.2)
epoch	10
batch size	36
lr	0.025
모델 결과값	
loss 그래프	
Best val Acc	Epoch 9/9 ---------- train Loss: 0.0092 Acc: 0.9600 test Loss: 2.4483 Acc: 0.4777 Training complete in 9m 29s Best val Acc: 0.477707

ResNet50	
augmentation	RandomHorizontalFlip(p=0.2), RandomVerticalFlip(p=0.2)
epoch	10
batch size	36
lr	0.025
모델 결과값	
loss 그래프	
Best val Acc	Epoch 9/9 ---------- train Loss: 0.0348 Acc: 0.9533 test Loss: 2.3884 Acc: 0.5096 Training complete in 9m 53s Best val Acc: 0.509554