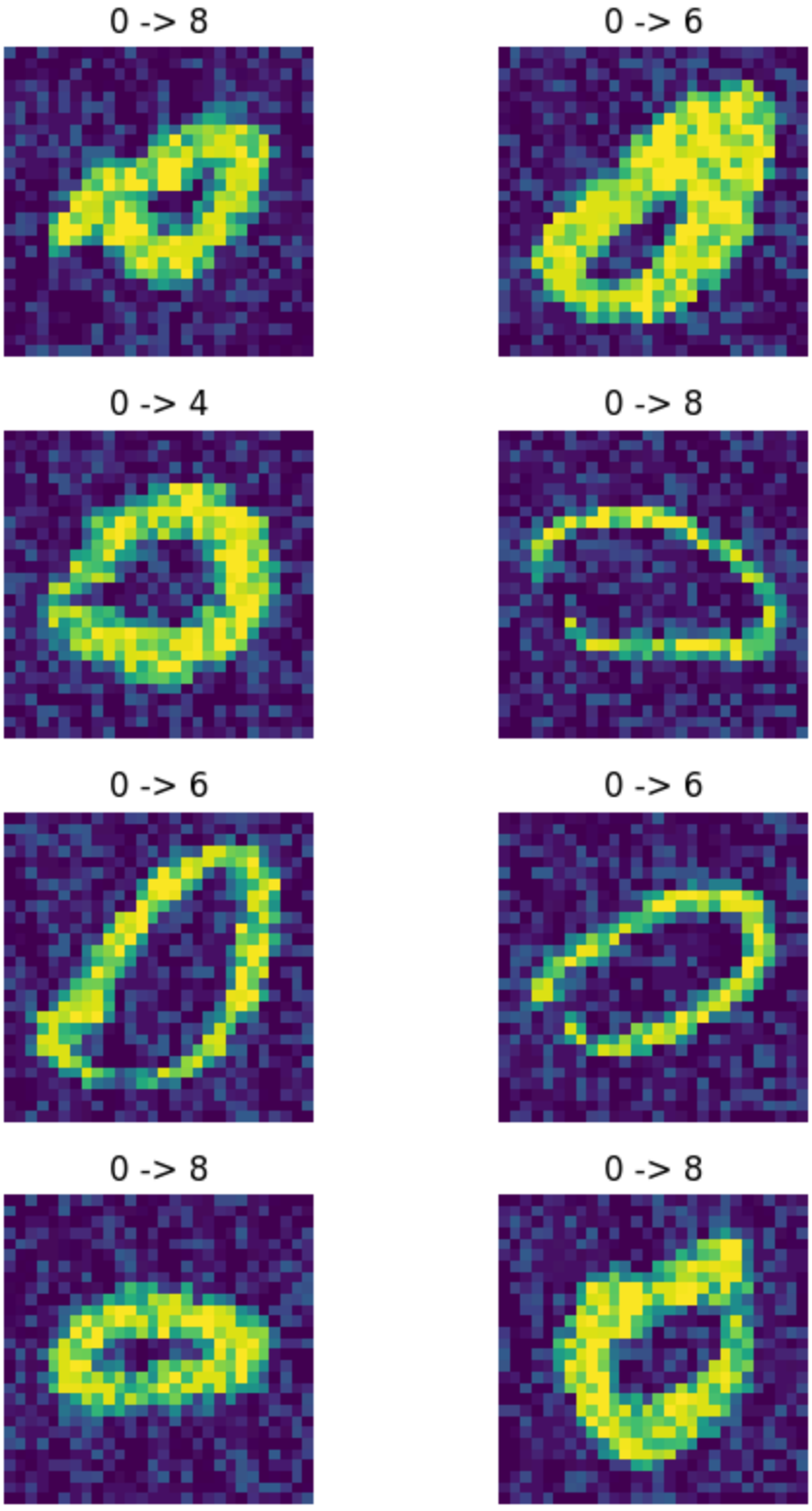
```
+----------+---------+---------------------+---------------------+
| Metric   | Clean   | No Defense Attack   | w/ Defense Attack   |
+==========+=========+=====================+=====================+
| Loss     | 0.00453 | 0.374               | 0.00453             |
+----------+---------+---------------------+---------------------+
| Accuracy | 100%    | 88%                 | 100%                |
+----------+---------+---------------------+---------------------+

Example Misclassifications:

------------------------------------------------------------
No misclassified images for stage: Clean
Attack: cw_pgd_attack
Dataset: EMNIST
Training Epochs: 10
Trained Clean Images: 64
Test Images: 625
Accuracy: 1.00
Precision: 1.00
Recall: 1.00
F1-score: 1.00
ROC AUC score is not defined for a single class.
------------------------------------------------------------



------------------------------------------------------------
Number of misclassified images for No Defense Attack: 8
Attack: cw_pgd_attack
Dataset: EMNIST
Training Epochs: 10
Adversarial Training Images: 60
Test Images: 625
Accuracy: 0.88
Precision: 0.99
Recall: 0.88
F1-score: 0.93
ROC AUC Score: 1.00
------------------------------------------------------------

Misclassifications:
0 -> 8: 4
0 -> 6: 3
0 -> 4: 1
```




```
------------------------------------------------------------
No misclassified images for stage: w/ Defense Attack
Attack: cw_pgd_attack
Dataset: EMNIST
Training Epochs: 10
Retrained Clean and Adversarial Images: 124
Test Images: 625
Accuracy: 1.00
Precision: 1.00
Recall: 1.00
F1-score: 1.00
```

```
ROC AUC score is not defined for a single class.
------------------------------------------------------------
```