In [1]:	In [1]: import tensorflow as tf from tensorflow import keras import matplotlib.pyplot as plt %matplotlib inline import numpy as np		
<pre>IMPORTING DATASET In [2]: (X_train, y_train) , (X_test, y_test) = keras.datasets.mnist.load_data()</pre>			
A TOTAL 18 TOTAL 1			
In [7]: In [8]: In [9]:	<pre>X_test = X_test / 255 X_train_flattened = X_train.reshape(len())</pre>	train = X_train / 255 test = X_test / 255 train_flattened = X_train.reshape(len(X_train), 28*28) test_flattened = X_test.reshape(len(X_test), 28*28)	
Out[9]: In [10]: Out[10]:	X_train_flattened[0]	#	
In [14]: In [15]: Out[15]:	Reference Refe		
Out[17]: Out[18]: In [19]:	m - 3 0 26 919 1 23 4 - 1 1 4 1 919 0 5 - 10 2 4 27 10 780 6 - 7 3 7 1 8 10 9 6 - 7 12 11 23 9 30 7 - 11 7 1 10 29 7 8 11 7 1 10 29 7 9 1 2 3 4 5 9 10 1 2 3 4 5 9 10 1 2 3 4 5 9 10 1 2 3 4 5 9 10 1 2 3 4 5 9 10 1 2 3 4 5 9 10 1 2 3 4 5 9 10 1 2 9 7 10 1 2 3 4 5 10 1 2 9 7 10 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rossentropy', pchs=5)] - 5s 2ms/step - loss: 0.2895 - accuracy: 0.9207] - 5s 2ms/step - loss: 0.1346 - accuracy: 0.9610] - 5s 2ms/step - loss: 0.0955 - accuracy: 0.9717] - 5s 2ms/step - loss: 0.0740 - accuracy: 0.9779] - 5s 2ms/step - loss: 0.0582 - accuracy: 0.9824 y at 0x27962987610>	
Out[19]: In [20]: In [21]:	313/313 [===================================	28)), relu'), lqmoid') rossentropy', - 5s 3ms/step - loss: 0.2859 - accuracy: 0.9208 - 5s 2ms/step - loss: 0.1280 - accuracy: 0.9622 - 5s 2ms/step - loss: 0.0916 - accuracy: 0.9730 - 5s 2ms/step - loss: 0.0919 - accuracy: 0.9786 - 5s 2ms/step - loss: 0.0683 - accuracy: 0.9867 - 5s 2ms/step - loss: 0.0482 - accuracy: 0.9849 - 5s 2ms/step - loss: 0.0412 - accuracy: 0.9876 - 5s 2ms/step - loss: 0.0341 - accuracy: 0.9894 - 5s 2ms/step - loss: 0.0301 - accuracy: 0.9905 - 5s 2ms/step - loss: 0.0241 - accuracy: 0.9929 vat 0x27970009580>	