```
Python 3.7.1 (default, Dec 10 2018, 22:54:23) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.2.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/Nitesh Vudutha/Downloads/Spring Semester/Deep
Learning/Assignments/Assignment 12/DL12A1.py', wdir='C:/Users/Nitesh Vudutha/Downloads/Spring
Semester/Deep Learning/Assignments/Assignment 12')
WARNING:tensorflow:From C:/Users/Nitesh Vudutha/Downloads/Spring Semester/Deep
Learning/Assignments/Assignment 12/DL12A1.py:23: BasicRNNCell.__init__ (from
tensorflow.python.ops.rnn_cell_impl) is deprecated and will be removed in a future version.
Instructions for updating:
This class is equivalent as tf.keras.layers.SimpleRNNCell, and will be replaced by that in
Tensorflow 2.0.
WARNING:tensorflow:From C:/Users/Nitesh Vudutha/Downloads/Spring Semester/Deep
Learning/Assignments/Assignment 12/DL12A1.py:24: MultiRNNCell.__init__ (from
tensorflow.python.ops.rnn_cell_impl) is deprecated and will be removed in a future version.
Instructions for updating:
This class is equivalent as tf.keras.layers.StackedRNNCells, and will be replaced by that in
Tensorflow 2.0.
WARNING:tensorflow:From C:/Users/Nitesh Vudutha/Downloads/Spring Semester/Deep
Learning/Assignments/Assignment 12/DL12A1.py:25: dynamic_rnn (from tensorflow.python.ops.rnn) is
deprecated and will be removed in a future version.
Instructions for updating:
Please use `keras.layers.RNN(cell)`, which is equivalent to this API
WARNING:tensorflow:From C:\Users\Nitesh Vudutha\Anaconda3\lib\site-
packages\tensorflow\python\ops\tensor_array_ops.py:162: colocate_with (from
tensorflow.python.framework.ops) is deprecated and will be removed in a future version.
Instructions for updating:
Colocations handled automatically by placer.
WARNING:tensorflow:From C:/Users/Nitesh Vudutha/Downloads/Spring Semester/Deep
Learning/Assignments/Assignment 12/DL12A1.py:29: dense (from tensorflow.python.layers.core) is
deprecated and will be removed in a future version.
Instructions for updating:
Use keras.layers.dense instead.
0 Last batch accuracy: 0.96666664 Test accuracy: 0.9375
1 Last batch accuracy: 0.9866667 Test accuracy: 0.963
2 Last batch accuracy: 0.98 Test accuracy: 0.9622
3 Last batch accuracy: 0.97333336 Test accuracy: 0.9612
4 Last batch accuracy: 0.9866667 Test accuracy: 0.9721
5 Last batch accuracy: 0.97333336 Test accuracy: 0.9714
6 Last batch accuracy: 0.99333334 Test accuracy: 0.9679
7 Last batch accuracy: 0.9866667 Test accuracy: 0.972
8 Last batch accuracy: 0.97333336 Test accuracy: 0.9763
9 Last batch accuracy: 0.99333334 Test accuracy: 0.9737

In [2]:
```