**Number Of Layers : 3**

**Epocs : 5**

**Number Of Neurons: FL-128 SL-128**

11/11 [==============================] - 1s 136ms/step - loss: 0.3149 - acc: 0.8750 - val\_loss: 0.3451 - val\_acc: 0.8750

Epoch 2/5

11/11 [==============================] - 1s 94ms/step - loss: 0.2650 - acc: 0.9057 - val\_loss: 0.2123 - val\_acc: 0.9500

Epoch 3/5

11/11 [==============================] - 1s 98ms/step - loss: 0.2325 - acc: 0.9171 - val\_loss: 0.2363 - val\_acc: 0.9250

Epoch 4/5

11/11 [==============================] - 1s 101ms/step - loss: 0.2561 - acc: 0.9000 - val\_loss: 0.2694 - val\_acc: 0.9000

Epoch 5/5

11/11 [==============================] - 1s 101ms/step - loss: 0.2632 - acc: 0.9200 - val\_loss: 0.2218 - val\_acc: 0.9000

**Number of Layers : 3**

**Epocs : 15**

**Number Of Neurons: FL-128 SL-128**

11/11 [==============================] - 2s 151ms/step - loss: 0.2148 - acc: 0.9233 - val\_loss: 0.2242 - val\_acc: 0.9000

Epoch 2/15

11/11 [==============================] - 1s 101ms/step - loss: 0.2708 - acc: 0.9015 - val\_loss: 0.2779 - val\_acc: 0.8750

Epoch 3/15

11/11 [==============================] - 1s 95ms/step - loss: 0.2112 - acc: 0.9228 - val\_loss: 0.2338 - val\_acc: 0.9000

Epoch 4/15

11/11 [==============================] - 1s 94ms/step - loss: 0.2847 - acc: 0.8986 - val\_loss: 0.2713 - val\_acc: 0.8750

Epoch 5/15

11/11 [==============================] - 1s 98ms/step - loss: 0.2084 - acc: 0.9200 - val\_loss: 0.2291 - val\_acc: 0.9250

Epoch 6/15

11/11 [==============================] - 1s 96ms/step - loss: 0.2270 - acc: 0.9057 - val\_loss: 0.2132 - val\_acc: 0.9000

Epoch 7/15

11/11 [==============================] - 1s 98ms/step - loss: 0.2353 - acc: 0.9150 - val\_loss: 0.1653 - val\_acc: 0.9000

Epoch 8/15

11/11 [==============================] - 1s 95ms/step - loss: 0.2266 - acc: 0.9007 - val\_loss: 0.2294 - val\_acc: 0.8750

Epoch 9/15

11/11 [==============================] - 1s 94ms/step - loss: 0.1719 - acc: 0.9400 - val\_loss: 0.3180 - val\_acc: 0.8750

Epoch 10/15

11/11 [==============================] - 1s 94ms/step - loss: 0.1836 - acc: 0.9314 - val\_loss: 0.2857 - val\_acc: 0.8750

Epoch 11/15

11/11 [==============================] - 1s 95ms/step - loss: 0.2096 - acc: 0.9200 - val\_loss: 0.2225 - val\_acc: 0.9000

Epoch 12/15

11/11 [==============================] - 1s 96ms/step - loss: 0.2082 - acc: 0.9314 - val\_loss: 0.2646 - val\_acc: 0.8750

Epoch 13/15

11/11 [==============================] - 1s 94ms/step - loss: 0.1846 - acc: 0.9403 - val\_loss: 0.2613 - val\_acc: 0.8750

Epoch 14/15

11/11 [==============================] - 1s 90ms/step - loss: 0.1846 - acc: 0.9285 - val\_loss: 0.1839 - val\_acc: 0.9000

Epoch 15/15

11/11 [==============================] - 1s 93ms/step - loss: 0.2059 - acc: 0.9264 - val\_loss: 0.2428 - val\_acc: 0.8750

**Number of Layers : 3**

**Epocs : 5**

**Number Of Neurons: FL-128 SL-64**

11/11 [==============================] - 2s 143ms/step - loss: 0.1985 - acc: 0.9347 - val\_loss: 0.1823 - val\_acc: 0.9250

Epoch 2/5

11/11 [==============================] - 1s 97ms/step - loss: 0.1945 - acc: 0.9179 - val\_loss: 0.1738 - val\_acc: 0.9500

Epoch 3/5

11/11 [==============================] - 1s 95ms/step - loss: 0.1824 - acc: 0.9343 - val\_loss: 0.2649 - val\_acc: 0.9000

Epoch 4/5

11/11 [==============================] - 1s 95ms/step - loss: 0.1597 - acc: 0.9493 - val\_loss: 0.2161 - val\_acc: 0.9250

Epoch 5/5

11/11 [==============================] - 1s 97ms/step - loss: 0.2004 - acc: 0.9407 - val\_loss: 0.2346 - val\_acc: 0.9000

**Number of Layers : 2**

**Epocs : 10**

**Number Of Neurons: FL-128**

11/11 [==============================] - 1s 128ms/step - loss: 0.2139 - acc: 0.9403 - val\_loss: 0.3029 - val\_acc: 0.8750

Epoch 2/10

11/11 [==============================] - 1s 86ms/step - loss: 0.2225 - acc: 0.9236 - val\_loss: 0.2643 - val\_acc: 0.8750

Epoch 3/10

11/11 [==============================] - 1s 86ms/step - loss: 0.2051 - acc: 0.9350 - val\_loss: 0.2405 - val\_acc: 0.8750

Epoch 4/10

11/11 [==============================] - 1s 88ms/step - loss: 0.1817 - acc: 0.9371 - val\_loss: 0.2672 - val\_acc: 0.8500

Epoch 5/10

11/11 [==============================] - 1s 88ms/step - loss: 0.2460 - acc: 0.8986 - val\_loss: 0.2193 - val\_acc: 0.8750

Epoch 6/10

11/11 [==============================] - 1s 86ms/step - loss: 0.2233 - acc: 0.9236 - val\_loss: 0.1850 - val\_acc: 0.8750

Epoch 7/10

11/11 [==============================] - 1s 85ms/step - loss: 0.1641 - acc: 0.9257 - val\_loss: 0.1879 - val\_acc: 0.8750

Epoch 8/10

11/11 [==============================] - 1s 87ms/step - loss: 0.2298 - acc: 0.9257 - val\_loss: 0.2039 - val\_acc: 0.9000

Epoch 9/10

11/11 [==============================] - 1s 87ms/step - loss: 0.1281 - acc: 0.9600 - val\_loss: 0.2135 - val\_acc: 0.9000

Epoch 10/10

11/11 [==============================] - 1s 86ms/step - loss: 0.2046 - acc: 0.9165 - val\_loss: 0.3109 - val\_acc: 0.9000