1. Model Summary

Model: "sequential 4"			
Layer (type)	Output	Shape	Param #
conv2d_11 (Conv2D)	(None,	26, 26, 32)	320
conv2d_12 (Conv2D)	(None,	24, 24, 64)	18496
max_pooling2d_10 (MaxPooling	(None,	12, 12, 64)	0
dropout_5 (Dropout)	(None,	12, 12, 64)	0
conv2d_13 (Conv2D)	(None,	10, 10, 128)	73856
max_pooling2d_11 (MaxPooling	(None,	5, 5, 128)	0
dropout_6 (Dropout)	(None,	5, 5, 128)	0
flatten_4 (Flatten)	(None,	3200)	0
dense_8 (Dense)	(None,	128)	409728
dense_9 (Dense)	(None,	10)	1290
Total params: 503,690 Trainable params: 503,690 Non-trainable params: 0			
None			

2. Model Accuracy

acy				
	precision	recall	f1-score	support
0	0.87	0.87	0.87	1000
1	0.99	0.98	0.98	1000
2	0.90	0.83	0.86	1000
3	0.90	0.93	0.92	1000
4	0.85	0.84	0.84	1000
5	0.99	0.96	0.98	1000
6	0.70	0.76	0.73	1000
7	0.90	0.99	0.95	1000
8	0.98	0.98	0.98	1000
9	0.99	0.92	0.95	1000
accuracy			0.91	10000
macro avg	0.91	0.91	0.91	10000
weighted avg	0.91	0.91	0.91	10000

- 3. Steps done to account for overfitting
 - Reduced number of epochs from 25 to 20
 - Added a dropout equal to 0.50.
- 4. Predictions for the first 10 rows ankle boot, trouser, T-shirt/top, T-shirt/top, sandal, T-shirt/top, dress, sandal, coat, shirt