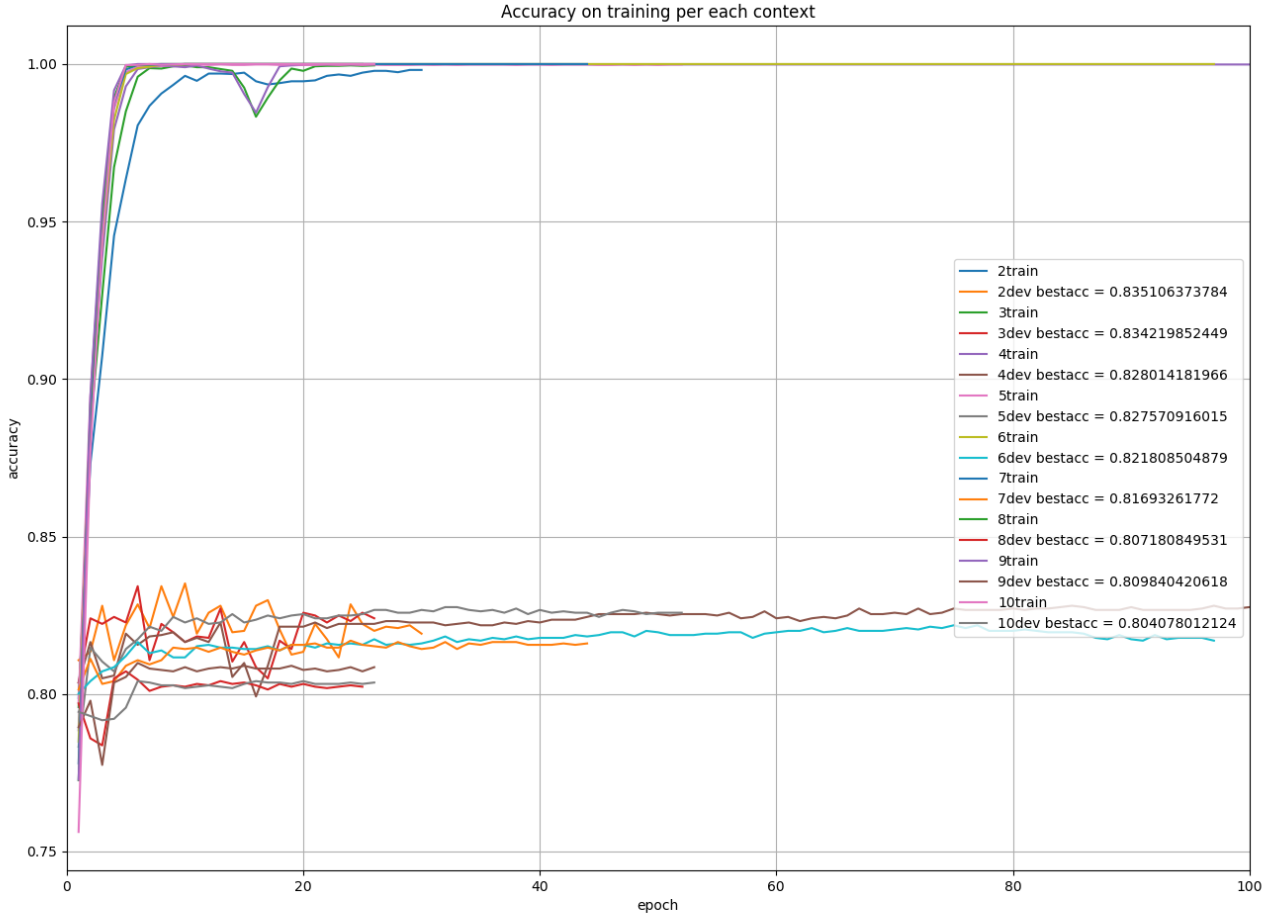
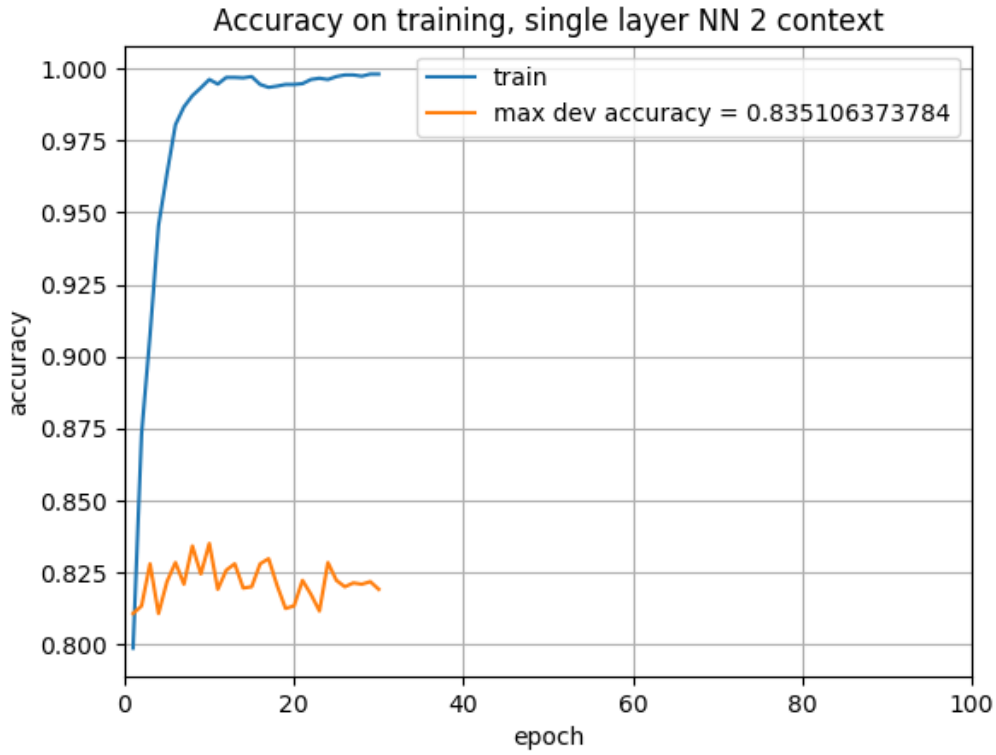


% max Accuracy on Dev for each context **best model***

2context	**3context**	**4context**	**5context**	**6context**	**7context**	**8context**	**9context**	**10context**
83,5%	83,42%	82,80%	82,75%	82,18%	81,69%	80,71%	80,98%	80,40%

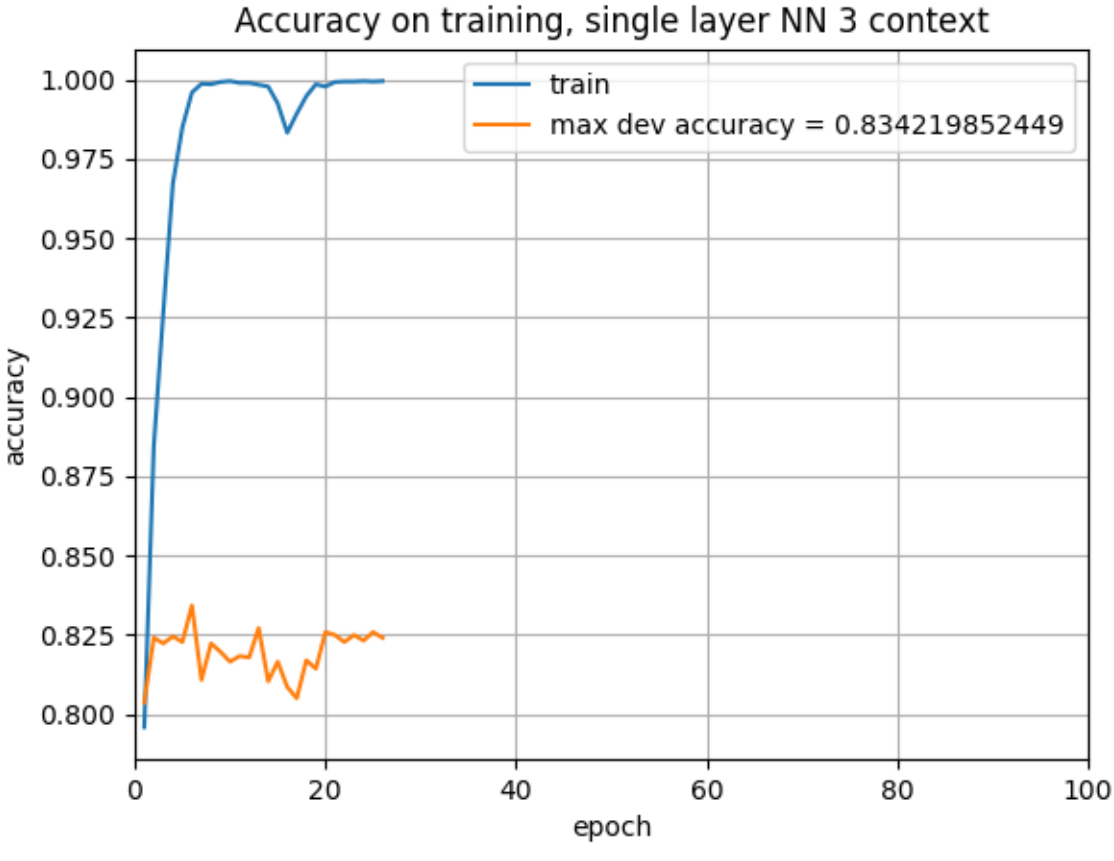
***i.e: best model per each context means that we trained 100 neural networks with variable input size 1:5:500 and we chose the one that performed a better accuracy over the 100 per each context. Xcontext mean, X words before and after the named entity, 2context means that we have 4 words in total per each named entity.**



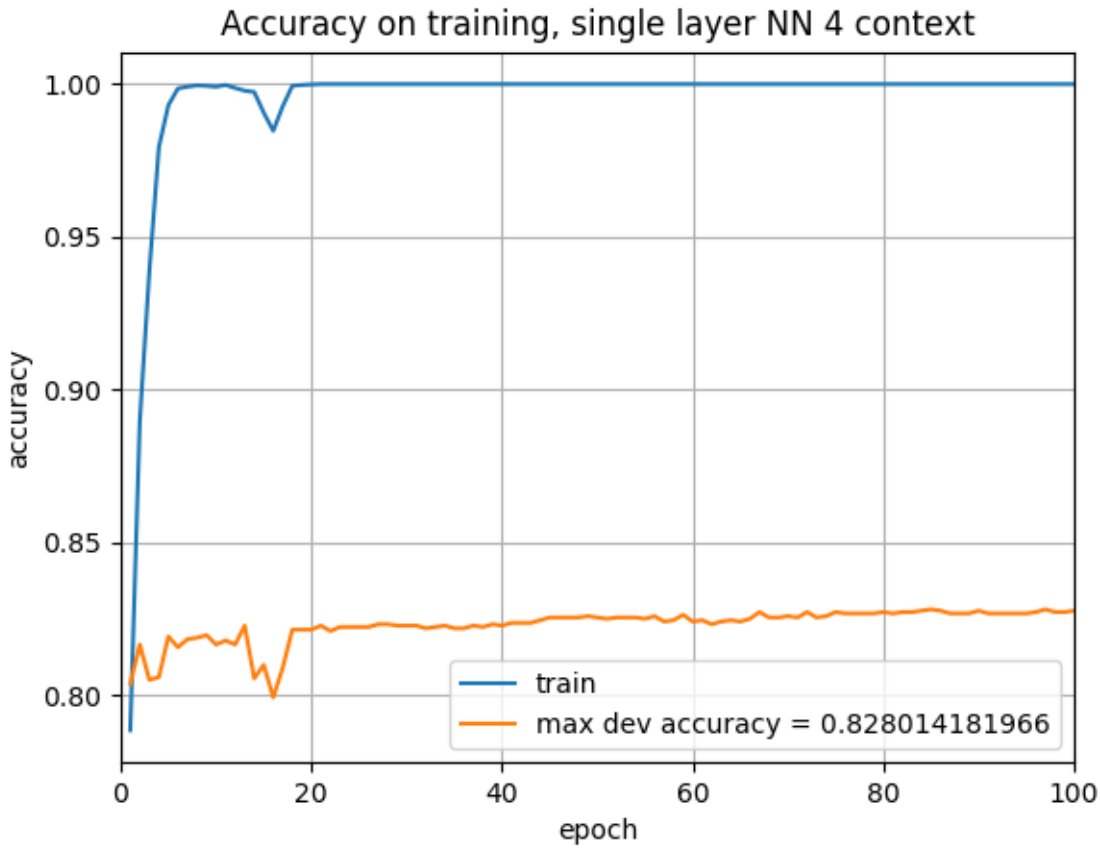
Normalized confusion matrix on **TEST** set

Prediction

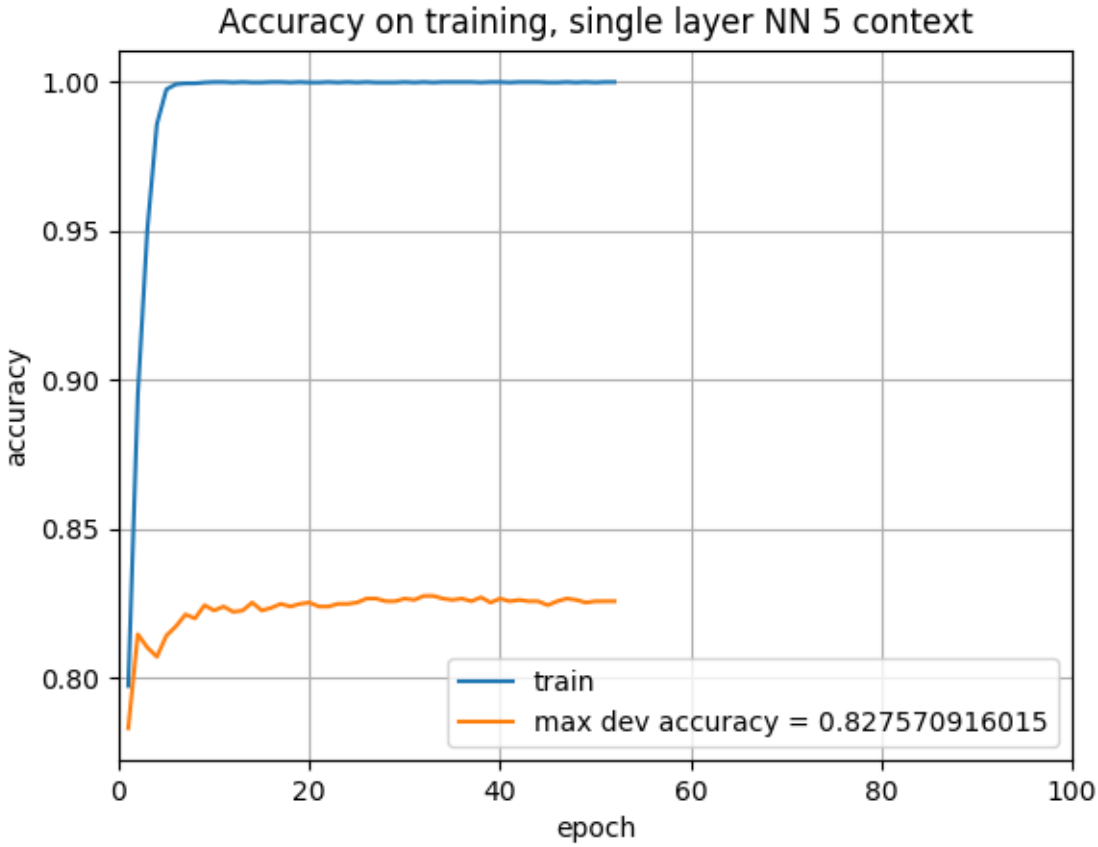
	1class	2class	3class
Ground truth –->	**[[0.14893617**	**0.31914894**	**0.53191489]**
	[0.00233645	**0.85514019**	**0.14252336]**
	[0.01500938	**0.12382739**	**0.86116323]]**



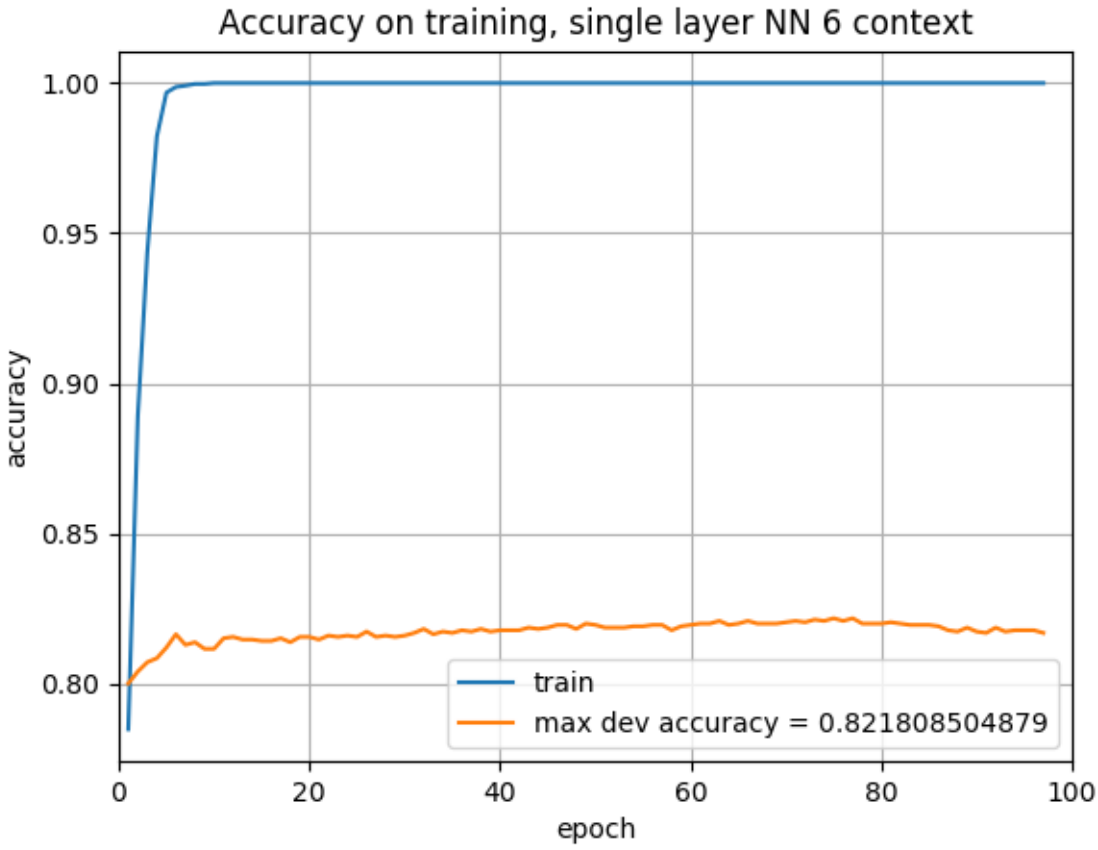
[[0.17021277 0.27659574 0.55319149]
[0.00934579 0.84813084 0.14252336]
[0.00938086 0.15572233 0.83489681]]



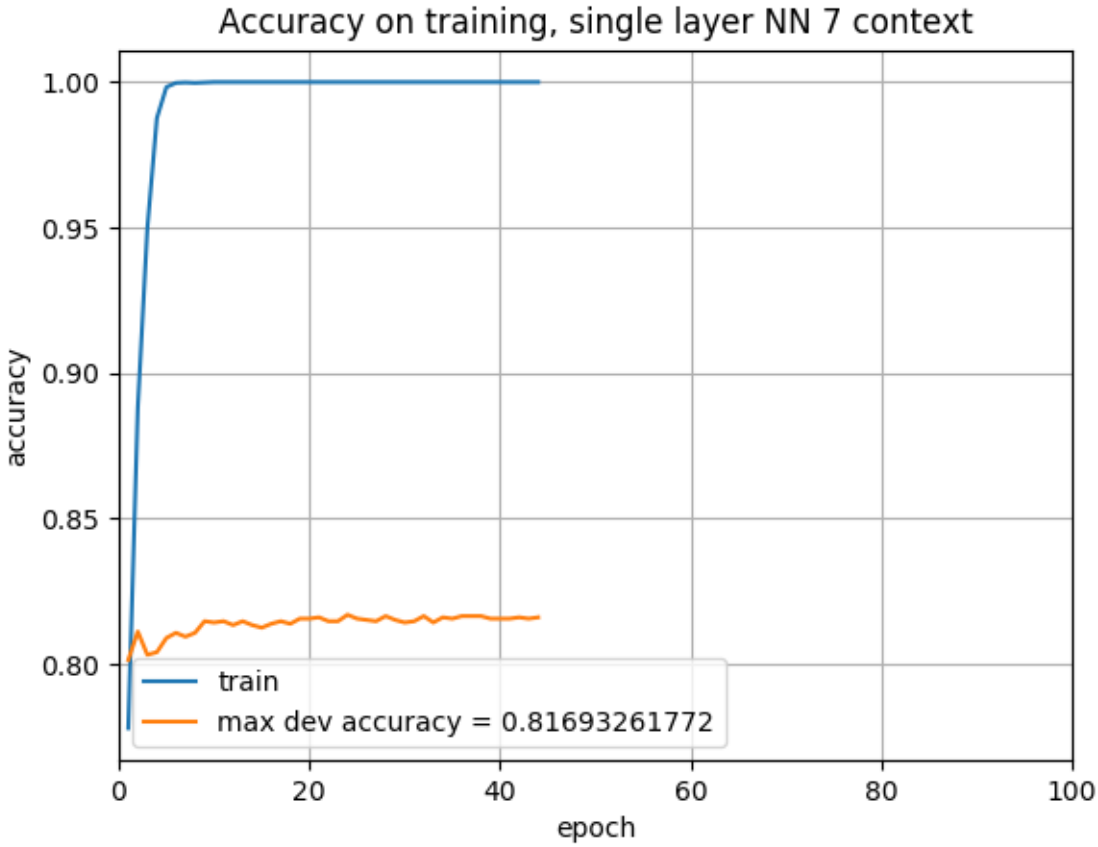
[[0.14893617 0.27659574 0.57446809]
[0.0046729   0.82943925 0.16588785]
[0.00938086 0.12945591 0.86116323]]



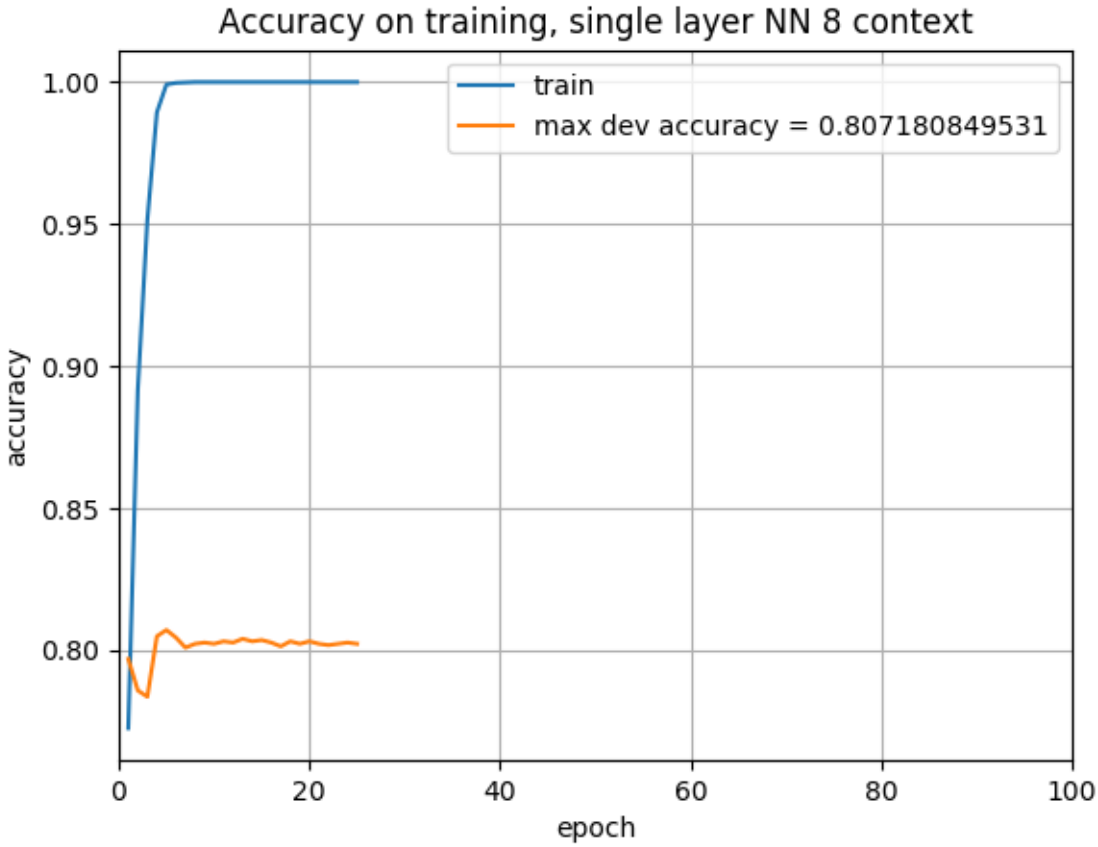
[[0.19148936 0.34042553 0.46808511]
[0.0046729   0.8271028   0.1682243]
[0.00562852 0.11444653 0.87992495]]



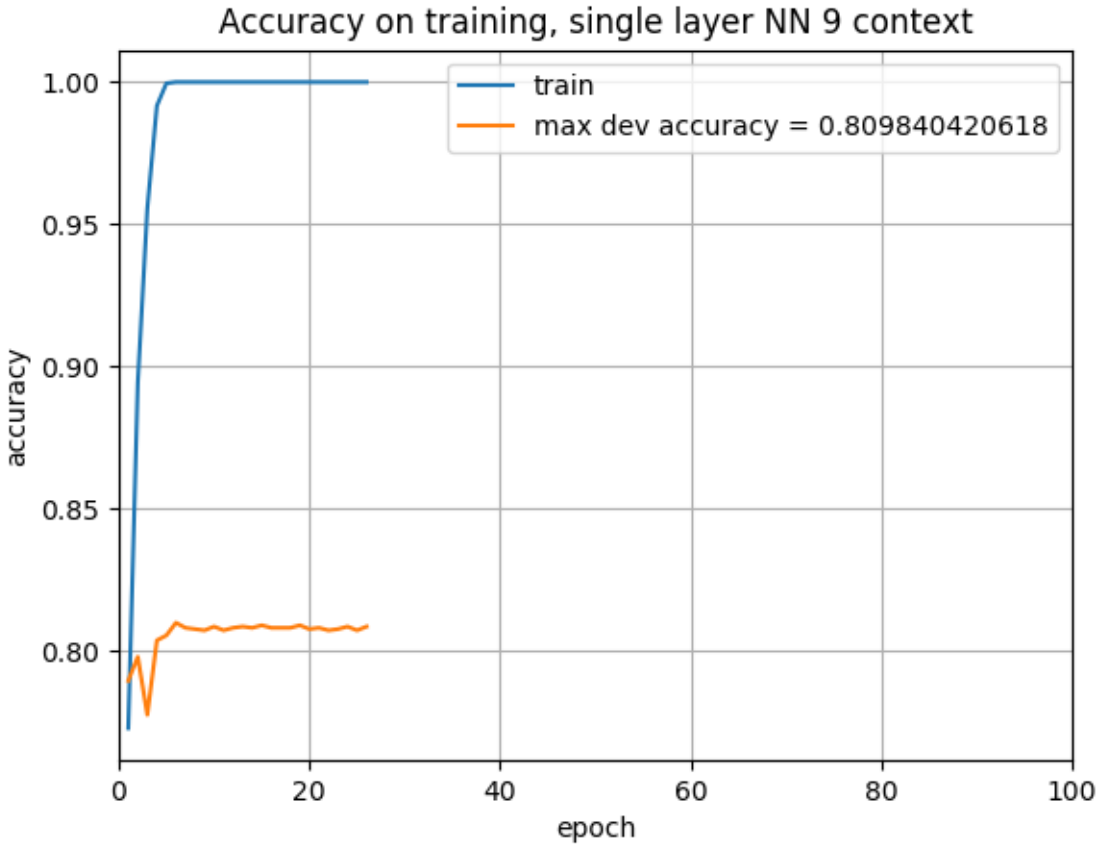
[[0.19148936 0.23404255 0.57446809]
[0.0046729   0.82476636 0.17056075]
[0.00938086 0.10881801 0.88180113]]



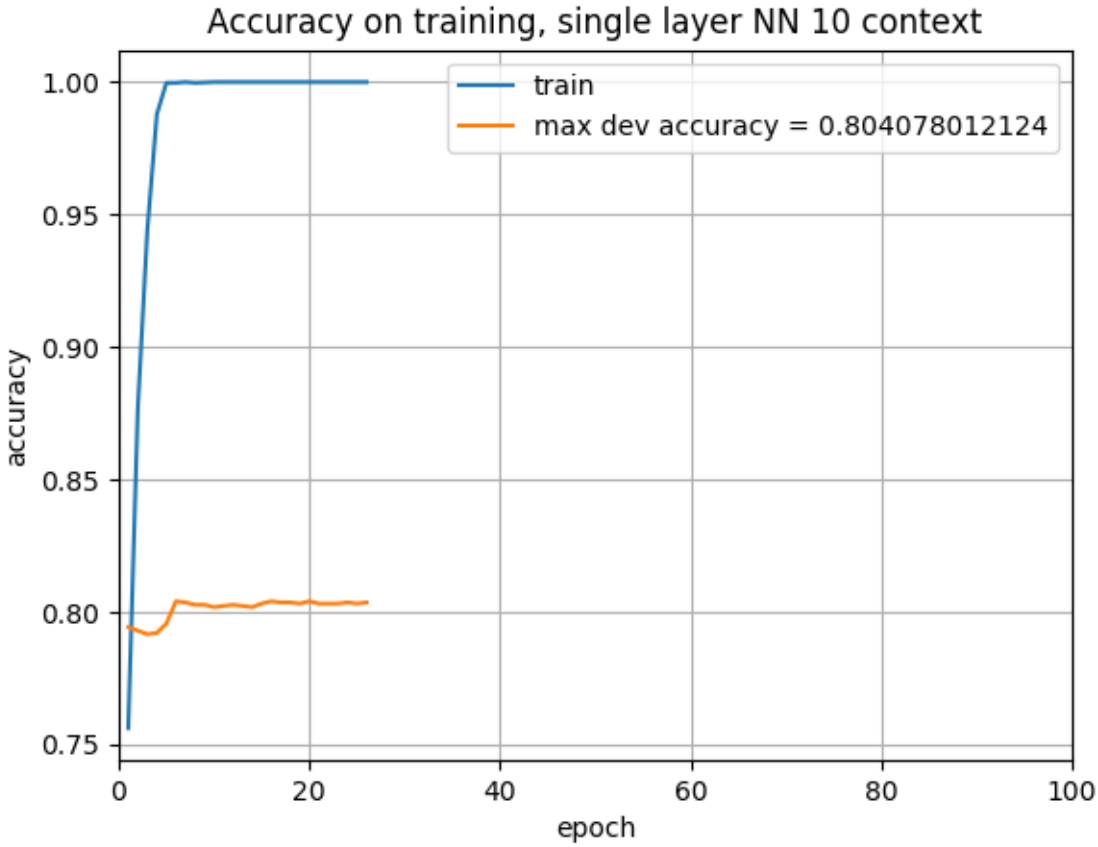
[[0.14893617 0.27659574 0.57446809]
[0.00700935 0.78037383 0.21261682]
[0.00750469 0.12007505 0.87242026]]



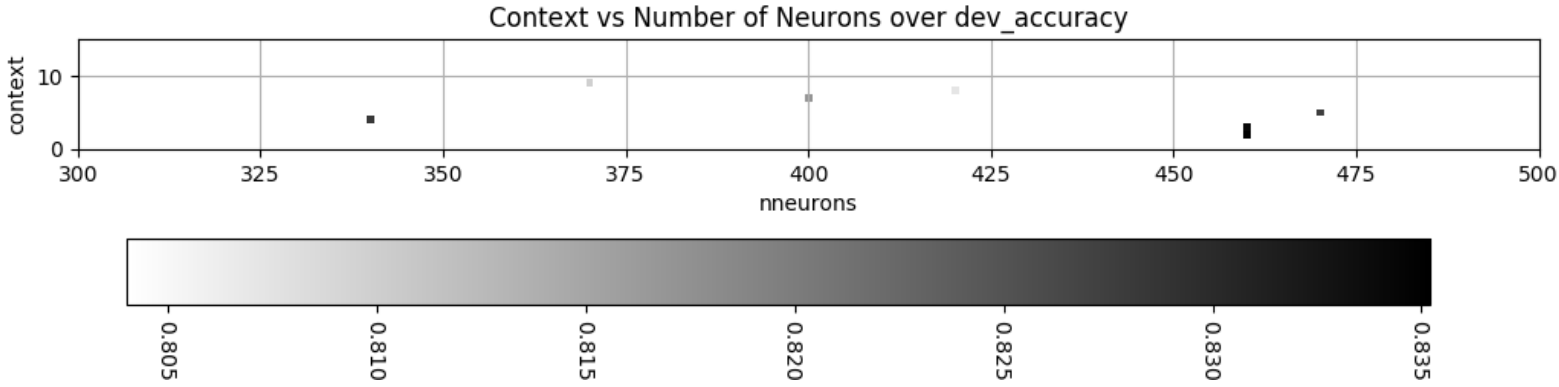
[[0.12765957 0.23404255 0.63829787]
[0.0046729   0.79205607 0.20327103]
[0.01125704 0.14071295 0.84803002]]



[[0.17021277 0.29787234 0.53191489]
[0.0046729   0.80841121 0.18691589]
[0.00375235 0.15009381 0.84615385]]



[[0.14893617 0.27659574 0.57446809]
[0.00700935 0.80140187 0.19158879]
[0.00938086 0.14446529 0.84615385]]



Context	BestNumberOfNeurons	MaxAcc over Dev
2	460	0,8351
3	460	0,8342
4	340	0,8280
5	470	0,8275
6	290	0,8218
7	400	0,8169
8	420	0,8071
9	370	0,8098
10	370	0,8040