```
C:\Users\lukez\AppData\Local\Microsoft\WindowsApps\python3.10.exe "C:/Users/lukez/Desktop/
CS4641/Untitled Folder/NeuroNetwork.py"
2022-07-19 00:49:54.814150: W tensorflow/stream_executor/platform/default/dso_loader.cc:64]
Could not load dynamic library 'cudart64_110.dll'; dlerror: cudart64_110.dll not found
2022-07-19 00:49:54.814274: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore
above cudart dlerror if you do not have a GPU set up on your machine.
No. of training examples: 7777
No. of testing examples: 1945
2022-07-19 00:49:57.774848: W tensorflow/stream_executor/platform/default/dso_loader.cc:64]
Could not load dynamic library 'nvcuda.dll'; dlerror: nvcuda.dll not found
2022-07-19 00:49:57.774966: W tensorflow/stream_executor/cuda/cuda_driver.cc:269] failed
call to cuInit: UNKNOWN ERROR (303)
2022-07-19 00:49:57.778053: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169]
retrieving CUDA diagnostic information for host: DESKTOP-SKDN5SP
2022-07-19 00:49:57.778212: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176]
hostname: DESKTOP-SKDN5SP
2022-07-19 00:49:57.778543: I tensorflow/core/platform/cpu_feature_guard.cc:193] This
TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the
following CPU instructions in performance-critical operations: AVX AVX2
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
Fnoch 1/50
778/778 [=============== ] - 1s 1ms/step - loss: 1.1633 - accuracy: 0.6805
Epoch 2/50
Epoch 3/50
Epoch 4/50
Epoch 5/50
778/778 [================= ] - 1s 920us/step - loss: 0.4693 - accuracy: 0.7909
Epoch 6/50
Epoch 7/50
Epoch 9/50
778/778 [================== ] - 1s 931us/step - loss: 0.4287 - accuracy: 0.8103
Epoch 10/50
Epoch 11/50
Epoch 12/50
Epoch 13/50
Epoch 14/50
Epoch 15/50
Epoch 16/50
Epoch 17/50
778/778 [================= ] - 1s 1ms/step - loss: 0.4087 - accuracy: 0.8184
Fnoch 18/50
778/778 [================== ] - 1s 965us/step - loss: 0.4074 - accuracy: 0.8178
Epoch 19/50
Epoch 20/50
Epoch 21/50
Epoch 22/50
Epoch 23/50
778/778 [================= ] - 1s 987us/step - loss: 0.4015 - accuracy: 0.8218
Epoch 24/50
```

File - NeuroNetwo	rk							
778/778 [===:		========	===1 - 1s	1ms/step	- loss:	0.3960 -	- accuracy:	0.8276
Epoch 25/50			,	0, 0.00		,	, .	
778/778 [====	========	========	===] - 1s	1ms/step	- loss:	0.3933 -	accuracy:	0.8220
Epoch 26/50			, ,		_			
778/778 [===:	=======	=======	===] - 1s	1ms/step	- loss:	0.3946 -	accuracy:	0.8255
Epoch 27/50 778/778 [===:			l - 1e	1mc/ctan	- 1000.	n 3023 -	- accuracy:	0 8220
Epoch 28/50] 13	тшэ/ эсср		0.0720	accoracy.	0.0220
778/778 [====	========	========	===] - 1s	1ms/step	- loss:	0.3888 -	- accuracy:	0.8287
Epoch 29/50								
778/778 [====	========	========	===] - 1s	1ms/step	- loss:	0.3870 -	accuracy:	0.8240
Epoch 30/50 778/778 [===:			1 1.	1 = 0 / 0 + 0 =	1	0.70/7		0 0070
Epoch 31/50] - 15	Tills/steh	- 1055.	0.3003 -	accoracy.	0.02/0
778/778 [===:	========	========	===] - 1s	1ms/step	- loss:	0.3830 -	accuracy:	0.8286
Epoch 32/50			_				,	
778/778 [====		=======	===] - 1s	1ms/step	- loss:	0.3824 -	accuracy:	0.8310
Epoch 33/50			1 4-	1 <i>I</i>		0.707/		0 0005
778/778 [===: Epoch 34/50	========	========	:===] - 1s	1ms/step	- Loss:	0.3834 -	- accuracy:	0.8295
778/778 [===:	========	========	===1 - 1s	1ms/sten	- loss:	0.3798 -	- accuracy:	0.8314
Epoch 35/50			, 10	1o, 0 cop	2000.	0.0770	40001 407.	0.001
778/778 [====	========	=======	===] - 1s	1ms/step	- loss:	0.3777 -	accuracy:	0.8303
Epoch 36/50								
778/778 [===: Epoch 37/50	=======	=======	===] - 1s	1ms/step	- loss:	0.3764 -	accuracy:	0.8332
778/778 [===:		=======	:===1 - 1s	1ms/sten	- 1000.	O 3740 -	· accuracy:	0 8287
Epoch 38/50				тшэ/ эсср		0.0740	accoracy.	0.0207
778/778 [====	========	=======	===] - 1s	1ms/step	- loss:	0.3770 -	accuracy:	0.8330
Epoch 39/50								
778/778 [====	========	========	===] - 1s	1ms/step	- loss:	0.3785 -	accuracy:	0.8328
Epoch 40/50 778/778 [===:			1 10	1ma/a+an	1000.	0 7744	0001100011	0.07/1
Epoch 41/50] - 15	Tills/steh	- 1055.	0.3700 -	accoracy.	0.0341
778/778 [===:	========	========	===] - 1s	1ms/step	- loss:	0.3739 -	- accuracy:	0.8314
Epoch 42/50								
778/778 [====	========	========	===] - 1s	1ms/step	- loss:	0.3682 -	accuracy:	0.8355
Epoch 43/50 778/778 [===:			1 10	1ma/a+an	1000.	0 7711	0001100011	0 0740
Epoch 44/50] - 15	Tills/steh	- 1055.	0.3/11 -	accoracy.	0.0300
778/778 [===:		========	:===] - 1s	1ms/step	- loss:	0.3697 -	- accuracy:	0.8358
Epoch 45/50								
778/778 [====	========	========	===] - 1s	1ms/step	- loss:	0.3669 -	accuracy:	0.8382
Epoch 46/50			1 4	4 / 1	-	0.7/50		0.075/
778/778 [===: Epoch 47/50	========	========	:===] - 1s	1ms/step	- Loss:	0.3652 -	- accuracy:	0.8376
778/778 [===:	========	========	===1 - 1s	1ms/sten	- loss:	n 369n -	- accuracy:	0 8358
Epoch 48/50			, 10	1110,000		0.0070	40001407.	0.0000
778/778 [====		=======	===] - 1s	1ms/step	- loss:	0.3668 -	accuracy:	0.8394
Epoch 49/50			_					
778/778 [===:	========	========	===] - 1s	1ms/step	- loss:	0.3642 -	accuracy:	0.8354
Epoch 50/50 778/778 [===:		=====	1 - 10	1mc/c+on	- 1000	በ ፈላፈዕ	- 2001102071	በ 8383
244/244 [===:	 ========		:===] - Os	991us/ste	p - los:	s: 0.3549	accoracy. accuracy	v: 0.8406
Accuracy: 84			, 00	, , _00, 000		5.5510	. 3000140	, , 2.0400
244/244 [===					р			
	precision	recall f	1-score	support				
0	0.88	0.79	0.83	3896				
1		0.79	0.85	3896 3881				
1	5.51	0.07	3.33	0001				
accuracy			0.84	7777				
macro avg		0.84	0.84	7777				
weighted avg	0.84	0.84	0.84	7777				