```
******* Part 5: Testing the layers **************************
Input Layer
[[-1. -1. -1. -1.]
[1. 1. 1. 1.]]
Fully Connected Layer
[[4.78632519e-05 4.38634319e-04]
[5.81183644e-05 1.07682605e-03]]
ReLu Activation Layer
[[1 \ 2 \ 3 \ 4]]
[5 6 7 8]]
Sigmoid Activation Layer
[[0.73105858\ 0.88079708\ 0.95257413\ 0.98201379]
[0.99330715 0.99752738 0.99908895 0.99966465]]
SoftMax Activation Layer
[[0.00449655 0.00449655 0.00449655 0.00449655]
[0.24550345 0.24550345 0.24550345 0.24550345]]
Tanh Activation Layer
[[0.76159416 0.96402758 0.99505475 0.9993293 ]
[0.9999092 0.99998771 0.99999834 0.99999977]]
***************************
****** Part 6: Connecting Layers and Foward Propagate *********
***************************
Input Layer
[[-1, -1, -1, -1,]
[1. 1. 1. 1.]]
Fully Connected Layer
[[ 9.01687740e-05 -1.82859629e-04]
[ 9.52963302e-05 1.36236236e-04]]
Sigmoid Activation Layer
[[0.50002254 0.49995429]
[0.50002382 0.50003406]]
*******************************
*********** Part 7: Testing on full dataset ****************
***************************
Note: For this part I was unsure what you wanted for the output so I just
ran the same test we did for part 6 on the actual data.
Input Layer
```

[[-1.43876426 -1.0105187 -0.45332 -0.90861367 1.97058663 1.34390459] [-1.50996545 0.98959079 0.5096211 -0.07876719 -0.5074631 0.43849455] [-0.79795355 0.98959079 0.38330685 1.58092576 -0.5074631 0.43849455]

Fully Connected Layer

[[2.58205060e-04 -1.08465804e-04]

[-9.06627986e-06 5.20790733e-05]

[-2.09036365e-05 2.09081428e-04]

...

[-4.75300635e-05 -1.61546673e-05]

[3.50594995e-05 -5.46214776e-05]

[1.78816999e-04 1.53724547e-05]]

Sigmoid Activation Layer

[[0.50006455 0.49997288]

[0.49999773 0.50001302]

[0.49999477 0.50005227]

...

[0.49998812 0.49999596]

[0.50000876 0.49998634]

[0.5000447 0.50000384]]