Week 9:

*What I've done this previous week*:

- Debugged calculateOutput method.

- Corrected error in FinaliseDatabase class’s addTestData method’s SQL statement. Complexity of the previous SQL statement was causing issues with the data being transferred to the test data table. Also changed this statement to create the test data table as it is not needed until this point of the project, therefore the step to create it at the beginning of the program was unnecessary.

- Edited all database code to use auto-closing try statement for all resources including connections to database, prepared statements and result sets.

- Added a DBUtils class which contains static utility methods for Database package. Using some of these methods I added the final illegal argument checks to all methods that require input.

- Managed to make network fully functional for a single row of output, tested all methods on this. Once all were operational, created NetworkData class, and added one additional method to a newly structured CreateNetworkData class, which used NetworkData to create a two-dimensional input for the network to be trained on.

- Debugged the load network method and moved this along with saveNetwork method into NeuralNetwork class (so object [network] being loaded could be cast to type NeuralNetwork).

- Finalised main method so the program would run in a logical order.

- Tested the entire program together, ironed out all minor errors until program ran successfully.

- Wrote Junit tests for a number of methods to ensure correct outputs/operation.

- Prepared presentation.

- Prepared demonstration, training multiple neural networks with different amounts of epochs and saving them ready to demonstrate the load functionality.

*What I will do this week*:

- practise for presentation on 22/08.

- Begin writing the project report.

*What we should discuss*:

- n/a

*Previous meeting summary*:

- Looked through code in an attempt to debug calculateOutput method.

- Preparation of presentation and demonstration.

- Progress so far.