**Part 3: Building a logistic regression model to predict if someone has coronary heart disease**

I was unable to achieve very high accuracies of training data vs my test data in any of my models for this part. My initial model had train accuracies of 65% – 70% and test accuracies of 55% - 60%. The main difference between my initial and final model was the use of weight regularization. I also experimented with adding drop off and increasing neuron size of the networks but these seemed to make no difference or make the model worse. My final model had train and test accuracies of 60% – 68%.

To run the code upload the CHDModel.ipynb as a new notebook in google colab. Upload the heart\_train.csv and heart\_test.csv when prompted. Then execute each cell in the notebook.