READ ME

Q1. (on paper)

Q2. (on paper)

Q3. Three separate sections with the rbf code implemented for different data sets. Each one has a rbf_reg(xtest,xtrain,ytrain,theta,lamb) which takes in x_test, x_train, y_train, lambda, and theta and returns a set of y_predictions for the x_test set, rbf_val(xvalid,yvalid,xtrain,ytrain,) which takes in x_valid, y_valid, x_train, y_train, and will run the rbf regression over the given grid of lambda and theta values then will print the optimal lambda, theta, and lowest error, and tst_rmse(y,ytest) which takes in your y_predictions from running rbf_reg and will find the error between them and the true y_test values. Each of these functions are straightforward to call like any other function.