Logistic regression – heights and weights

X – height and weight

Y – gender

1. Normalize the X variables and convert the Y variable to numeric value. 0 for Male and 1 for Female.
2. Divide into test and train data. 500 train data and 500 test data.
3. Initialize random weights. Calculate the model output.
4. Using the loss function, Choose a learning rate and use gradient descent to attempt to minimize this loss. Why did you choose these parameters?
5. Print the loss for some steps. Print the final weight, the initial model output and the model output after gradient descent