Logistic Regression Algorithm: It's basically a binary class classification algorithm.

Pseudocode	Variable Description
for in range(n):	n is the number of epochs
totalError =0	
for each training sample x:	
z = xw + c	x is the matrix of inputs and w is the matrix of weights
h=sigmoid(z)	
error = -y log(h) – (1-y) log (1-h)	
totalError = totalError + error	
dv = x(h-y)	dv is the change of gradient by partial dedrivation
w = w – dv*lr c = c – (h-y)	lr is the learning rate

if(i==0):
      print(totalError)
 	
   elif(i+1 % 50 == 0):
      print(totalError)
   totalErrorForCurvePloting.append(totalError)	

Also show the accuracy (%) and error (%) by using testing dataset

Plot the **iteration** vs **training error** (totalError) curve