det us consider a sample dataset have one Enput (xea) and one output (yea) and number of samples 4. Develop a emple linear regression model using BGD.

00	1		
(Sample (i)	Xia	Mia	
	0.2	3.4	
2	0.4	3.8	
3	0.6	4.2	
4	0.8	4.6	
	4		9 4

Do manual Calculations for two Pterations with thist two samples.

· Write the python code to build simple linear reggression model using BGD optimizer (sonsider all & somples).

$$S-1: [x, y], m=1, c=-1, \eta=0.1, epoches = 2, \eta s=2$$

$$ct = Dc$$
  
 $= -0.5+t0.3829 = -0.187$