Men is not

simple Linear Regression;

Sample(i)	x eq	y; a	
17 KH 1 6	7.0	157	00
2 (H.O.	7.1	174	

Step-1: Read dataset η=0.1, epochs=1, m=1, c=-1

Step-2: Set iteration = 1

step-3:- set sample i=1

$$\frac{2}{5 + 6 \cdot 6} = \frac{6 \cdot 6}{2} = \frac{1}{2} \left(y_1^{0} - m x_1^{0} - 6 \right)^{2}$$

$$=\frac{1}{2}\left[157-1(7.6)-(-1)\right]^{2}$$

Step-7: Dm = -7 DE = - (0.1) (-1143.04) (E.0) - = = 114.304 () alginize 12 - (0.1) (-150.4) step-1: Red Jahach paces crocks steries self steriotion: Step - 8: m=m+Am = 1+11H.30H = 115.30H step- 4 start for the got $C = C + \Delta C$ = -1 + 15.04 = 14.04 step-9: sample i=i+1=2 & i <ns T -> step 4 (3 2 9 x 01 - 1944) 2 1 = 3 2 1 (2 - 9012 !-> step - 4:y= (115.304) 7.1 + 14.04 = (832.69)1-181] step-5: E = 1 (174-832.69)2 => 216936.25 Step-6: 3E = - (174 - (115.304) 7.1 - 14.04] 7.1 = -[174 - 832.69](7.1) = (658,69) 7.1 => 4676.69

$$\frac{\partial E}{\partial c} = -(174 - 832.69) = 658.69$$

Step-7:
$$\Delta m = -\eta \frac{\partial E}{\partial m}$$

= -(0.1) (4676.69)
= -467.669
 $\Delta c = -\eta \frac{\partial E}{\partial c}$
= -(0.1) (658.69)
= -65.869

Step-8:
$$M = 115.304 + (-467.669)$$

$$= -352.36$$

$$C = 14.04 + (-65.869)$$

$$= -51.829$$

Step-9: Sample i=i+1=2+1=3 $i \le ns$ $r \to next$ 3 2 step

Step-10: iter = iter+1 = 1+1=2, iter > epochs T-> next

step-11: Stop