ASSINMEN-I fix)=x2+y2+10 Step1 + lel x=-1, y=1, y=0-1, epoch = 2 Step 2: itr=1 Steb 3; 9t = 5x = - 5 >F = 2y = 2 Step 47 Dx = - n of = -0.1 (-2)=0.2 Dy = - n 3F = -01(2) = -0.2 Step 5: N = X + DN = -1 + 0.2 = -0.8 y= y+ 1x = 1-0.2 =08 sty6: itr=itr+1 =>1+1=2 step 7: if (itro epour) 11 (272) take so go to step 3 step 3: 2+ = 2x = 2(-0.8) = 4.6 $\frac{\partial F}{\partial x} = 2y = 2(0.8) = 1.6$ step 4: Dx = -N 3/ : -0.1(-1.6) = 0.16 By = - 7 df =-0.1(1.6)=-0.16

ALSTONMENT-3

		PRODUCTION AND ADDRESS
Sample	x:	Y:a
,	0.2	3-4
2	5.4	3.8
3	0-6	4.2
4	0.8	4.6
		3

$$\frac{3F}{3c} = -(3: -10)(3.2) - (-10)$$

$$= -(3.4 - 10)(3.2) - (-10)$$

$$Dc = -4 \frac{3r}{3\pi} = -0.1 (-7.3) = 9.345$$

$$Dm = -4 \frac{3m}{3m} = -0.1 (-7.3) = 9.345$$

Step (5): Dm = n df = 0. 1778

Dc = -n dE = 0.39 464

Step (): m=m+ Dm= 1.084 + 0.15+8 = 1.2418 C= C+Dm= -0.58+0.39464=-0.18536

. 8

Assignment &

) (x,y); m=1, e=-1, n=0.1, epochs= 2, bs=2

2)
$$nb = \frac{4}{6} = \frac{4}{2} = 2$$

4)
$$\frac{3\omega t ch = 1}{bs} = \frac{1}{bs} \left[\frac{(9; -mx; -c)x}{(3.4 - (1)(0.2) + 1)0.2} \right] + \left[\frac{3.9 - 0.4 + 1}{0.4} \right]$$

$$= \frac{-1}{2} \left[\frac{(3.4 - (1)(0.2) + 1)0.2}{(3.4 - (1)(0.2) + 1)0.2} \right] + \left[\frac{3.9 - 0.4 + 1}{0.4} \right]$$

$$= -1.34$$

$$\frac{3E}{3\pi} = \frac{7}{2} \left[(3.4 + 0.241) + (3.8 - 0.441) \right]$$

7) m= m+Bm = 1+0,184 = 1.34

5)
$$\frac{\partial E}{\partial c} = -\frac{1}{2} \left(3.4 - (1.42) \cdot 10.1523 \right) + 3.3 - (1.4) \cdot (0.4)$$

= -3.3241

10) it = (tr+1

11) 11/372) go to step 12

12) print mic m=1.748 C=0.494

Assignment - \$

$$-\frac{3}{3} \frac{\partial E}{\partial r} = -\frac{1}{2} \left[3.4 \frac{1}{6} - (1)(0.2) + 1 \right] 0.2 + (3.8 - (1)(0.4) + 1) 0.4$$

$$= -1.34$$

$$2E = -1 \left(3.4 - 0.2 + 1 \right) + (3.8 + 0.4 + 1)$$

$$DL = -N \frac{\partial E}{\partial c}$$

$$= -6.1(4.3) = 0.43$$

$$Q = -0.1 \times -3.8 = 0.33 \sqrt{4}$$

- 1) (x,y) ,m=1, (=-1, n=0.1, epoch=2, 8 7=0.7, lm=1/2=0
- e) itr=1
- 3) Sample =1
- 4) DE = -0.84 =9~

() v_= qvn-ngm

6) store = mt = Nm = [+0.084 = 1.084

- 7) sample = 1+1-2
- 8) if (sample 7 ns)

9 = -4-34A9

5) Vm = 8 Vm - 79m = 0.41604 Vc = 8 Vc - 79c = 1.3255 All Strate

Fort & Lames &

(= e + vc = 2.0023

7) Sampl= 2+1=3

8) (3>2)

1) 112=2+1=3

(o) if (322)

11) m= 2.00, c= 2.507

-1 (1) p. ..