BBD-Assignment 5(a). Iteration - 1. 74.3 577 570.9 32 Jep ) (100) step 1:- n=0.01, ite=1, m=1, c=-1, epochs=2. Stup 2! - DE | = - 1 ((577.8-1+(75.1)-(-1))\*
75.1 +((577-1\*(74.3)-(-1))\*74.3)+ ((570.9-1\*(88.7)-(-1))\* 88.7)) =-1 (37,827.87+37,424.91+42859.84) = - 1 39370.873. Step (3:47 DE) = - 15(y-mx;-c) = -1 ((577.8-1(75.1)-(-D))+(577-1\*74.3 -(-1))+ -(-1))+ (570-9-1+(88-7)-(-1))] = -1 (503.7+503.7+48312) - 496.86 4(8) b & (E.88) X(800. thi) - OLE 1

```
Step 3:-
   DM=n DE = = (0.01) (-39470.873)
                  = 394.708
  DC = -NDE = -10.01) (-496.86)
 step 4: 7 20m = m+ sm
                    1+393.708 m 3016
 (1.56
          + (8 - pr * (1 -) - (8 - 1 - 1) * 1 - 1 - 1 - 2) 1.
                 = = (4(4.968)) + 1- (-0F2)
  48. P286 + + 783,968, 5 + 18.7 COJ
Step S!- îter=iter+)
         1-texa Iteration - 2.
 Step 1:- n=0.01 m=394.708, C= 3.368
liters=2, epochs=2.
Step2:-

DE | -3[(181)(577.8-(394.708) ×75.1)

DE | -3[(181)(577.8-(394.708) ×75.1)

DE | -3(296.708) +75.1)
       +((5707-(394.708)x(74.3)-3.968)*
       + ((570 - (394.708) x (88.7) _ 3.968)#
                                88.7)
```

$$= \frac{1}{3} \left[ (-34)068.73) \times 15.1) + (-3815) \times (1241) \right]$$

$$= \frac{1}{3} \left[ (-34)443.667 \times 88.7) \right]$$

$$= + (-34)443.667 \times 88.7)$$

$$= \frac{1}{3} \left[ (577.8 - ((394.708) \times 74.3) - 3.968) \right]$$

$$+ (577 - ((394.708) \times 88.7) - 3.968)$$

$$+ (570 - ((394.708) \times 88.7) - 3.968) \right]$$

$$= \frac{1}{3} \left[ (-34)443.667 \right]$$

$$= \frac{1}{3} \left[ (-34)43.667 \right]$$

$$= \frac{1}{3$$