18K41A04D2 Assignment-13 0.2 13 45 (A) 2 + 8 (B) 2 + 8 (B) 2 + 8 (B) 2 + 8 (C) 2 + (C) X & 12(5)2-196 + 3(6)2-1991 A DAGTRAD Step 1: epochs = 2, m=1, C=1, Gim=Gic=0, n=0.1, e=10-8, 8tep 2: 1tu=0 Step 2: "tu=D + (corsin - 1 810 3111) Step 3: Sample = 0 Step 4: 9m=-(x-mx=-c)x:=-0.44 8: (10)011. 9 = - (x;-mx;-c) = -2.2) + ((0)-1-) &+ Step 5: Gim = Gim+ gm) = 0.1936 - 1-9 1+ 0- 1+8-1. Gic= Gic+ (9c) 2= 4084 13. Step 6: 1 Am = - N + 19 m = 9 d = 10 d = asslep # m= m+ Am = 10 des not) & + (THICKE) THE TOS H+ C=C+DC=10 1 (HEN WIST MEN 502) F Step 8; 8 ample += 1 = 1 Step 9: 9f (Sample < no of samples) (+0) sil goto step 4 (0) 1-1-) 2+ (10) 8+ (1-8+1-8) (18-1-8-1-8

Step 4: 9m = (Y; -mx; -c)x; = 1-0.404

9c = (Y; -mx; -c) = -2.26

Step 5: 9m = 61mt(9m) = 1.0101816

Gic = Gic + (9c) 2 - 01.9476 000)

Step 6:
$$\Delta m - V_{1}$$

Ginte

 $\Delta C = V_{2}$
 $V_{3mt} = V_{2}$

Step 7: $M = M + \Delta M = 1.18991504$
 $C = C + \Delta C = 1.17165546$

Step 8: Sample += 1 = 2

Step 9: if (sample < no of samplus)

a < 2 ×

eht goto step 10.

Step 10: Itel = itel + 1 = 0+1 = 10

Step 11: if (itel < epochy)

1 < 2

goto step 2:

Step 4: 9m - (Y; -mx; -c)x; = 10.29607231

 $G_{C^{2}} - (Y_{1} - mx_{1} - C)x_{1} = 10.29607231$
 $G_{C^{2}} - (Y_{1} - mx_{1} - C)x_{1} = 10.29607231$

Step 5: $G_{1m} = G_{1mt}(g_{1m})^{2} = 1.16927756$
 $G_{1c} = G_{1c} + (g_{1c})^{2} = 13.90912903$

Step 6: $\Delta m = V_{1} - V_{2} = 0.05326811$

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8tep7: m=m+0m= 1,226728211 1
      C= C+ BC = 1,22502357
Step8: 8ample = Sample +1 = 0 + t = 1
Step 9! if (sample < no of samplus)
         goto stepn 4.
Step 4: 9m = - (Y:-mx;-c)x1 = -0.83371406
         9c = - (4; -mx; -c) = -2.08428514
Step 5: Gim= Gimt (9 m) = 1.86435669
        GC= GC+(9c)2 = 18.2533836
Step 6 ? Dm=-11 9m = 0-06105941)
         DC= -M

VGrate 90 = 0.0487849
         m= m+0 m [1628]7787621) 91 111 4000
Step 71
          C = C+DC = 1.27380847
Step 8 : Sample = Sample +1 = 1+1=2
Step 9: if (sample & normber of sample)
     goto step 10
Step 10: iter= iter+1 = 1+1=2
Step 11: if (iter < epochs)
        2181828 $ 02 mb 1 mb 10 90 12
         che goto Step 12.
```

Step 12! print (m, c) m = 1.28778762 C = 1.27380847