(SGD-MAG) Assignment - 8A. FA + Momentum Stevation - I Pine Day-1CX) Day-2(Y) 555 1.822.08 49321.26380 4983.17184 4775.53968 Step 1:- n=0.1, epochs=2, m=1, c=-1, ?=00, Step 2: Set iteration: Step 3: set sample :=1 Step 4: 4= (1) (5551.82208)-1 = 5550-82208 Step 5:- DE = (4931.26380-1 (5551.82208)+1) 3m 5 551.82208 BE = 3 439677.338750 $\frac{\partial E}{\partial c} = -(4931.26380-1(5551.82289)$ = 619.55828 Step 6: - Vm= 0.9(0)-(0.1) (3439677.338750) = -343967.733375 V(=-6195583 -22). Por

Step7: M=1+(-343967.733875) = -343966-733875 C=1+(-61.955853) =-62.95583

Iteration 12. Sample - 2.

Step 1:- 4= (-343966.734) (4963.17184) + (-62.95583) = -1714045405-72

Step 2: DE = - (14775-53968 - (-343966.734) (4983, 17184) - (-62,95583)) (4983117184)

> = -8541466595607.112 DE = -1714050181.261

Step 3:

Vm = 0.9 (-343964.434)-(0.1) (-8541406595_ -607.112) = -854146969131.67

Vc = 0-9 [-61.95583) - (0.1) (-17140501-- 81.261) = -171405073.88634

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20 FATE 1 - Contain the

Step 4:- N= -343966.734.854141969131.70 M=-85414/313098.4 C= -62-95583

& t. Iteration = 2.

Sample = 1

Step 1:- Y= t-85417 1313098.4) (5551.82208) + (-62.95583) = -4.7420406014E15

Step 2:- DE = - (4931.26380 +4.74204060 4EIS) (5551,82208)

=-2.63269657156 E19

DE = -4.74264660156 E15

Step 3: Vm = (0.9) (-85414-0969131.67) -(6.1) (2.632696)

= 2.6326958018

Vc = (0.9) (-1714050703.88634) -(0.1) (-4.7420406)

= 4.74203906E14 M= -854141313098.4+2.632695E18 = 2.632 694 C=-62-95583 +4.74 203906E14 = 4.74203906 814 Step 151- Sample =2 Step 10: 4= (2.63269) (4983.16718)+11 4.742639 = 1.311914 Step 2:- DE = - ((-4775.53968) - (2.632694) 95 el8) (4983-1718) -t.74203)(4983-1718) = - (4775.539-1.31191) (4988.1718) = -6.537508 <u>θξ</u> = -(4775,53968-1.3119) = -1. 2119

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Step 3: Vm = (0.9) (2.6326) -0-1 (-6,537) = 6.53751 Vc = (0.9) (4.74 203) - (0.1) (-1.3119) = 1.3119 Step 4:- M= 2,6326 +6,5375' = 6.53751 C= ¢.7¢20390 + 1.311917 = 1.311918 (6111-800) 11 20 30 11 4-