## Assignment - 6A

price | 82ft - living 1180 221900 2570 538000 770 180000 1960 604000

- 1) η=0.01, epochs=1, m=1 and c=1, n=2
- 2) Pteration = 1, batch = 1
- 3) DE =- (0.5) [(221900 -1\*1180+1) \* 1150+(538000-1\*2570+1) \* 2570] = -818254225  $\frac{\partial E}{\partial c} = -0.5 (756152) = -378076.$
- 4) Am = -(0.1) (-818254225) = 81825422.5 DC = 37807.6
- 5) m=1+81825422.5 = 81825423.546 = 37806.6 6) batchi= 1+1=2

DE = - (0.5) [ (186000 - 81825423.5 # 770-37806.6) Repeat 3: \* 770+(604000-81825423.5\*1960-37806-6)

d 1960]

= LSS266047e14.

DE = -0.5(-1.66679898e") = 8.33399469e".

Repeat 4: Dm=-0.1(1.85266047e14) = -1.85 266047e13 A c= -8-333.99 43969

Repeat 5: m=-1.55265229e13 e = -8.33395708e9