and one output (41) and number of samples 4.

Develop a SLR model using nestern accelerated and gendient (NAO) optimises.

Sample (1)	X1a	419
1	0.2	3-4
2	0-4	3.8
8	0-6	3-2
4	0.8	406

Step 1 [x, y],
$$m=1$$
, $c=-1$, $\eta=0.1$, epochs = 2, $\theta=0.9$, $\eta=v=0$, step 2 : its = 1

step 3 : sample = 1

step 4 $gm = DE = -(y_i - (m+2m)x_i - (c+2v_c))x_i$
 $= -(3\cdot y - (1+(0\cdot q)0)0\cdot 2 - (-1+(0\cdot 90))$
 $= -0.84$
 $gc = DC = -(y_1 - (m+2v_m)x_i - (c+3c))$
 $= -(3\cdot y - (1+0\cdot q)x_0)0\cdot 2$

slep 5 -
$$\sqrt{m} = \sqrt{3m} - \sqrt{3m}$$

= $(0-9)0 - (-0.1) \times (-0.84)$

= - (-11(0-9)0)

```
No = PYC - 130
        = (0-9)(0) - (-0-1)(-4-2)
        2 - 0-42
   step-6: mt - Vm
           1-0-084 = 0-916
          C+ = Vc = -1-0.42
                  = -1-42
         sample + =1
         7 (sample > ns)
              goto step-9
          ele goto skp-4
         g_{m} = \frac{g_{m}}{g_{E}} = -(3-8-(0-4)6+(0-4\times-0-084))
    0-4-(-1-42+(0-98-0-034)x0-4)
         9c = DE = - 4.959
 step 5:
        Im = -IVm - 79m
           = (0.9 x -0.084) - (-0.1x-1.983)
           = -0-2739
        VC = (0-9x-0.0.42) - (-0.1x-4.959)
           =0-8739
step 6: - m + = 4m
            = 0-916-0-2739
            = 0-6421
         C+ = VC
            =-1-42-0-8+39 = +2 2939
Step-7: - sample +=1
```

```
Step-8. (sample=ns)
                    goto step-11
               222
           else
              goto step-3
   step 3: sample - d
    step4 = = = -(3-4-(0-642+109x0-273))x0-2
                   - (-2-93 + (0-9 x - 0-273) x 0-2) togles
          9m = -117 red and limited primaryang
          9c = 3E = - 5.859 well proposed
step 5: Vm = 8Vm - 19m
            = [(0.9) x (-0.273)]-(-0.1x-1-81)
            = -0-3627
       VC = 88 -190
          = (0.9) (-0-873) - (-0-1) (-5-859)
          =-1-3707
steps: - m+ = Im
            = 0-64-21+ (-0-3627)
            = 0-2794
         C+ = VC
             = -2.2939-1.3707
             = - 3-6646
step 7 : sample += 1
              1-11=2
Step8: " (sample > ns)
          goto step-9
else goto step-4
step 4: gm = dE =- (3.8 - (0.279+ (0.9x-0.3627))
                        X0.4-(-3.6646 + 10.9)
                     = - 2-985
```

```
= -0-6249
        Vc = [0-9x-1-3707]-[-0-1x7-4645]
           =-1-9800
  Steps: m+=vm
          = 0-2974+ (-0-6249)
           =-0.3275
          = VC = -3-6646-1-9800
 step-+: sample += 1 and days a day!
        2 2+1=3
 step8: if (sample>ns)
 gob step 9
                          1geta (data, 60, 1p);
            goto step 4
  Step 9: 1 te+= 1+06 " 1/21" . 1001-20/09 0/") 3 tole
3/11-3/11 10/2+1=3/3/11/
  Step-10: 91 (its repochs)
     else goto step-4
  Step-11: paint mic
   m = 0.3275
c = -4.6446
```

Step 5: Vm = [0.1x-03627] - [-0.1x-2.985]

gc = 2E = -7.4645