Polynamial Regression Model:-

×	Y
7.6	157
7.1	174

step 1: Read dataset 12=0.000 | repochs=1, m1=1, m2=1

step2: iter=1

step3: sample s21

Step 4: 4/2 2m2 (xi) 2+ m1xi+ CONOTO OT

```
Step7: Am =- 12 3m = - (0.000 1) (- 704.06) my (0)
                       = 6.070006
          VWT5-13E =- (0:0001) (-2320:82)
                       = 0.232082
 1 = 20 1 = (0.0001) (- 92.64)
                       = 6.009264
step8: mis mit Ami
                             100 oldubs; edops
           = 1+0.070406=17.070406
         m2=1+0.232082=(.232082=
          C=-1+0.009264 = -0.9907
step qui sample=sample+1= (25.10 - 721) 1. Toure
 Step 4: Yp= m2(xi)=+m1xit( 30.00
       = E 1.5350 (7.1)2+(1.0704)(7.11)+(-0.9907)
           = 8 3.98 to (18.00 -171) = "
step 5: E= = {14: -46) 2 - {11.04 - 83.988) = 4051.08
            - [157-60.30] - - 92.64
```

Step 6 : DE = -(174-83.988)(7.1) = -639.0852 3€ - (174-83.988) (7.1)2 -4537,564 3E ~ - (174-83,988) = -90.012 Step 7: - Dm1 2- PdE = 0.0629 1 m2 2 - 7 3 E 2 6. 4537 DC =- (3 = 20,009 Step81 m12m1+Am121.0704+0.639 M2 = 1.5350+0.4357=1.9887 C2-0.9907+0:00092-0.9898 stepq: sample=sample+1=2+3 Sample < ns x [palse] > next step step10! itee= itee+1 =1+1=2 itersepochs snextstep

step11! [END]

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