

```
Enter parameter c: 3
Enter parameter d: 4
Enter initial temperature Yt: 2
Enter the number of iterations for Linear Model: 5
--- Simulating Linear Model ---
Enter external parameter Uw: 1
    Time: 1 Temperature: 4
Enter external parameter Uw: 2
    Time: 2 Temperature: 8
Enter external parameter Uw: 3
    Time: 3 Temperature: 14
Enter external parameter Uw: 1
    Time: 4 Temperature: 16
Enter external parameter Uw: 1
    Time: 5 Temperature: 18

Enter the number of iterations for Nonlinear Model: 5
--- Simulating Nonlinear Model ---
Enter external parameter Uw: 1
    Time: 1 Temperature: 5
Enter external parameter Uw: 1
    Time: 2 Temperature: 3.36588
Enter external parameter Uw: 2
    Time: 3 Temperature: -37.2682
Enter external parameter Uw: 2
    Time: 4 Temperature: -50.2894
Enter external parameter Uw: 2
    Time: 5 Temperature: -2818.49
Simulation complete.
```