```
 1  "/Users/Rishi Jain/Desktop/GitHub/movie-recommender-system/venv/
    bin/python" "/Users/Rishi Jain/Desktop/GitHub/movie-recommender-
    system/main.py"
 2  Iteration: 0
 3  Error: 1.00228088336784
 4  Weights: [-2.52387961 0.        0.08160835 -0.       -0.82013848 -0.
 5  -0.79374417 -0.10949707 -0.       0.       -0.14949757 0.
 6  0.        0.        0.        0.       -0.        1.09974671
 7  0.       -0.       -1.23058336]
 8  Iteration: 1
 9  Error: 0.7673126013932627
10  Weights: [ 1.93161769e+01 -0.00000000e+00 0.00000000e+00 0.
    00000000e+00
11  0.00000000e+00 8.12066903e-01 0.00000000e+00 -1.21685448e-01
12  -0.00000000e+00 -1.25013035e-02 -2.00208424e+00 -3.36772593e+00
13  -0.00000000e+00 0.00000000e+00 2.33300116e+00 -7.69432622e+01
14  -2.83276636e-04 0.00000000e+00 -2.41771091e+00 3.13037138e+00
15  -0.00000000e+00]
16  Iteration: 2
17  Error: 0.7943324569091443
18  Weights: [ 1.25357131 -0.        0.32409156 4.49136208 0.
19  -0.        0.        0.        0.33560624 -4.05455863
20  4.77649412 9.17902972 -0.4484148 0.        107.67020076
21  -0.        0.        0.        1.       -7.77612542
22  3.63347466]
23  Iteration: 3
24  Error: 0.9453101040242031
25  Weights: [ 1.       33.04308117 0.       -0.        0.       -1.94592652
26  -1.19177627 0.       -0.       -1.01904894 0.       -0.
27  1.        0.71851819 -0.04073331 -1.53085164 -0.       -1.08014872
28  0.       -0.       -0.       ]
29  Iteration: 4
30  Error: 0.7480511463844797
31  Weights: [-0.00000000e+00 -0.00000000e+00 1.50064885e-03 -0.
    00000000e+00
32  3.29222126e+00 1.73062824e+00 -7.77438788e+00 5.01727909e+00
33  -0.00000000e+00 -0.00000000e+00 1.45033279e-01 0.00000000e+00
34  0.00000000e+00 3.06867886e+01 0.00000000e+00 9.45020869e-01
35  0.00000000e+00 0.00000000e+00 -8.16594460e-01 0.00000000e+00
36  7.52865696e+00]
37  Iteration: 5
38  Error: 0.8972450889339189
39  Weights: [ -0.       3.4661429 0.       -25.35839689 0.
40  0.       -0.14186102 1.12632918 -0.        0.
41  0.       -0.        0.        0.       -1.1800532
42  3.72096083 -1.9234479 -0.        1.        10.17040337
43  0.       ]
44  Iteration: 6
45  Error: 0.853376152293678
46  Weights: [-1.91834114e+00 -5.67856611e-01 0.00000000e+00 0.
    00000000e+00
47  -0.00000000e+00 0.00000000e+00 0.00000000e+00 -1.59451407e-03
48  -3.48732790e-01 0.00000000e+00 -0.00000000e+00 -0.00000000e+00
49  0.00000000e+00 -1.90898173e+01 1.00000000e+00 -8.44973355e-01
```

```
50    4.10063154e+00 -0.00000000e+00 2.12403896e+00 0.00000000e+00
51    0.00000000e+00]
52  Iteration: 7
53  Error: 0.7086632711503844
54  Weights: [ 1.       -0.       -7.10442274 0.       -0.39250623
55    1.        1.61760745 2.67778022 1.54014523 -0.63162273
56    0.        4.5294665  0.76153544 2.76878385 -12.46244227
57    1.5046101 0.       -0.        0.04221787 0.
58    0.      ]
59  Iteration: 8
60  Error: 0.6887987403240546
61  Weights: [ -0.       -0.24719943 0.       -0.        1.02986312
62   -30.3935209 -0.       -0.       -1.44632448 -0.
63    0.45945329 0.        0.62503605 -0.       -0.
64   -0.        3.28983187 -2.16944998 1.36704091 0.
65    0.      ]
66  Iteration: 9
67  Error: 0.7897256728778469
68  Weights: [ -1.34245777 1.       -0.       -0.       -0.
69    0.       -1.37910134 0.        2.72639281 -0.
70   49.09711425 -45.79080484 -0.       -4.71640606 -5.97350255
71    0.       -0.       -0.       -8.87344842 0.0887747
72    0.      ]
73  Mean Absolute Error for all iterations: 0.8195096117658812
74
75  Process finished with exit code 0
76
```