

```

C:\Users\Prave\Downloads\ML_CLG\ex12>python ex12.py
Sample Product Data:
  ProductID Product_Name Price Sales Rating Feature_Score
0         1      T-Shirt   20   500   4.3         80
1         2       Jeans   45   350   4.1         70
2         3      Jacket   90   200   4.5         85
3         4    Sneakers   60   450   4.6         88
4         5       Socks    5   700   3.9         60
5         6        Hat   15   480   4.0         65
6         7      Dress   75   300   4.4         82
7         8       Belt   25   250   3.8         55
8         9     Hoodie   50   400   4.3         78
9        10     Shorts   30   380   4.1         72

Clustered Products:
  Product_Name Cluster
0      T-Shirt      2
1       Jeans      2
2      Jacket      1
3    Sneakers      1
4       Socks      3
5        Hat      3
6      Dress      1
7       Belt      3
8     Hoodie      2
9     Shorts      2

C:\Users\Prave\Downloads\ML_CLG\ex12>

```

