Assignment No:5

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import pandas as pd

df = pd.read\_csv("ratings.csv")

movieDict = {}

for index,row in df.iterrows():

if row["movieId"] not in movieDict:

movieDict[row["movieId"]] = []

movieDict[row["movieId"]].append(row["rating"])

else:

movieDict[row["movieId"]].append(row["rating"])

for movie,ratings in movieDict.items():

print movie,sum(ratings)/len(ratings)

# \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

# C:\Users\HP\Desktop>python avgrating.py

# 1.0 4.25

# 5.0 3.0

# 2054.0 2.5

# 7.0 2.5

# 11.0 3.0

# 6157.0 3.0

# 122904.0 1.0

# 25.0 3.0

# 1370.0 3.5

# 32.0 2.75

# 34.0 4.0

# 4443.0 4.0

# 4103.0 4.0

# 44.0 3.0

# 47.0 3.75

# 51255.0 2.5

# 58.0 3.0

# 116797.0 4.5

# 2110.0 2.0

# 64.0 4.0

# 88129.0 4.0

# 30793.0 2.5

# 79.0 4.0

# 50872.0 4.0

# 110.0 2.25

# 2163.0 2.0

# 4226.0 3.375

# 141.0 3.0

# 4238.0 3.75

# 2193.0 2.0

# 147.0 4.5

# 4246.0 4.0

# 153.0 3.0

# 157.0 2.0

# 165.0 3.75

# 5120.0 2.0

# 170.0 3.0

# 42013.0 2.0

# 8368.0 4.0

# 6333.0 4.0

# 2240.0 3.0

# 4291.0 2.0

# 2245.0 3.5

# 208.0 3.0

# 4306.0 3.75

# 1059.0 5.0

# 69844.0 4.25

# 6365.0 3.0

# 223.0 4.0

# 231.0 2.5

# 6377.0 3.5

# 2300.0 2.0

# 260.0 3.5

# 2313.0 3.0

# 4366.0 3.0

# 4367.0 2.75

# 2321.0 4.0

# 4370.0 2.5

# 2324.0 5.0

# 6624.0 2.5

# 92439.0 5.0

# 2334.0 3.0

# 2338.0 2.0

# 293.0 5.0

# 296.0 4.333333333333333

# 2355.0 4.25

# 318.0 4.5

# 2443.0 4.0

# 339.0 5.0

# 8533.0 4.0

# 342.0 5.0

# 344.0 3.5

# 2395.0 4.5

# 2396.0 5.0

# 349.0 5.0

# 356.0 4.0

# 364.0 3.0

# 88125.0 4.5

# 2416.0 3.0

# 4466.0 3.0

# 377.0 4.0

# 4474.0 3.0

# 380.0 5.0

# 45442.0 3.0

# 6539.0 3.75

# 415.0 4.0

# 420.0 1.0

# 2469.0 3.0

# 106920.0 3.5

# 2474.0 2.0

# 4541.0 4.0

# 457.0 3.75

# 4563.0 3.0

# 3016.0 3.0

# 8665.0 4.0

# 4571.0 3.0

# 480.0 3.25

# 2541.0 3.0

# 497.0 4.0

# 500.0 3.0

# 98809.0 2.5

# 2565.0 4.0

# 520.0 2.0

# 2571.0 3.625

# 527.0 4.25

# 2581.0 3.0

# 541.0 5.0

# 4638.0 3.0

# 4643.0 2.0

# 2596.0 4.0

# 2600.0 2.0

# 553.0 4.0

# 4654.0 3.0

# 96821.0 5.0

# 2628.0 5.0

# 585.0 2.0

# 588.0 5.0

# 590.0 3.0

# 80463.0 3.5

# 2640.0 2.0

# 593.0 4.0

# 594.0 3.0

# 595.0 5.0

# 605.0 4.0

# 41566.0 2.0

# 45672.0 2.0

# 1127.0 3.5

# 2670.0 4.0

# 628.0 4.0

# 2683.0 3.0

# 6568.0 4.0

# 2692.0 4.0

# 4886.0 4.0

# 2694.0 1.0

# 647.0 4.0

# 648.0 4.0

# 653.0 4.0

# 2706.0 4.0

# 2707.0 5.0

# 2710.0 2.0

# 2712.0 3.0

# 2716.0 4.0

# 33437.0 3.0

# 43679.0 3.0

# 88744.0 1.5

# 60074.0 1.0

# 4787.0 2.0

# 72378.0 2.5

# 2762.0 3.875

# 2763.0 4.0

# 6870.0 3.5

# 736.0 3.0

# 750.0 4.0

# 4848.0 3.0

# 54001.0 3.0

# 2805.0 3.0

# 762.0 3.0

# 99114.0 3.0

# 8961.0 2.5

# 68358.0 5.0

# 780.0 3.0

# 4878.0 3.6666666666666665

# 784.0 2.0

# 4881.0 4.0

# 786.0 1.0

# 788.0 1.0

# 37653.0 3.0

# 6934.0 2.0

# 6942.0 3.5

# 4896.0 4.0

# 4901.0 3.0

# 2858.0 4.5

# 2875.0 4.0

# 2877.0 1.0

# 832.0 2.0

# 2881.0 3.0

# 852.0 2.0

# 4954.0 3.0

# 4956.0 4.0

# 37727.0 3.0

# 4963.0 3.1666666666666665

# 2918.0 5.0

# 2919.0 3.0

# 4971.0 2.0

# 4973.0 4.75

# 4979.0 4.25

# 4980.0 2.0

# 4993.0 4.5

# 4995.0 4.0

# 150.0 4.0

# 5002.0 2.0

# 908.0 5.0

# 2959.0 3.6666666666666665

# 5008.0 5.0

# 5013.0 3.0

# 5016.0 3.5

# 5026.0 2.0

# 5033.0 1.0

# 2987.0 4.0

# 5036.0 3.0

# 3004.0 1.0

# 3005.0 3.0

# 5054.0 4.0

# 5064.0 3.75

# 3036.0 3.0

# 7153.0 4.5

# 35836.0 3.0

# 54272.0 4.0

# 33794.0 4.0

# 5125.0 2.0

# 3079.0 5.0

# 3082.0 3.0

# 1037.0 3.0

# 3091.0 4.0

# 3101.0 3.0

# 5151.0 3.0

# 3107.0 2.0

# 3114.0 4.5

# 1073.0 4.0

# 7347.0 3.5

# 27700.0 4.5

# 1079.0 2.0

# 1089.0 3.5

# 1092.0 3.0

# 1097.0 4.0

# 3146.0 3.0

# 3147.0 3.0

# 3156.0 5.0

# 3160.0 4.0

# 3175.0 5.0

# 3197.0 2.0

# 3198.0 4.0

# 3203.0 4.0

# 37741.0 2.5

# 1183.0 4.0

# 1188.0 4.5

# 44199.0 4.0

# 1193.0 5.0

# 858.0 4.666666666666667

# 1197.0 4.25

# 1198.0 3.5

# 1201.0 5.0

# 5299.0 5.0

# 1204.0 5.0

# 3255.0 3.0

# 1210.0 3.3333333333333335

# 1211.0 3.0

# 58559.0 4.5

# 7361.0 2.0

# 1221.0 5.0

# 1225.0 4.0

# 1228.0 3.0

# 1230.0 5.0

# 1233.0 4.0

# 40148.0 2.5

# 3285.0 3.0

# 1246.0 4.75

# 1573.0 3.5

# 3298.0 3.0

# 5349.0 4.0

# 1254.0 5.0

# 54503.0 3.5

# 1262.0 4.0

# 1263.0 5.0

# 1265.0 2.75

# 1266.0 5.0

# 1270.0 3.6666666666666665

# 4308.0 5.0

# 1276.0 3.0

# 5378.0 2.5

# 5380.0 4.0

# 1287.0 4.0

# 1291.0 3.5

# 1292.0 5.0

# 7439.0 3.0

# 1302.0 5.0

# 1304.0 3.25

# 3354.0 1.0

# 79132.0 3.0

# 3359.0 4.0

# 5418.0 3.5

# 73017.0 5.0

# 1339.0 1.0

# 1343.0 3.0

# 5445.0 3.0

# 1356.0 5.0

# 3408.0 4.166666666666667

# 3409.0 3.0

# 5459.0 3.5

# 68954.0 3.0

# 33679.0 3.5

# 912.0 4.0

# 91500.0 2.5

# 1391.0 2.5

# 3440.0 3.0

# 1404.0 1.0

# 1405.0 4.0

# 5502.0 3.0

# 91529.0 4.5

# 1422.0 4.0

# 40339.0 4.0

# 3476.0 4.0

# 91542.0 5.0

# 1431.0 3.0

# 1207.0 4.0

# 3996.0 4.0

# 4681.0 1.0

# 3513.0 3.5

# 1475.0 3.0

# 3527.0 5.0

# 5577.0 5.0

# 3535.0 3.75

# 3538.0 3.0

# 1499.0 3.0

# 592.0 4.0

# 3555.0 4.0

# 5618.0 4.0

# 1527.0 3.75

# 3578.0 4.0

# 6058.0 3.5

# 44555.0 4.0

# 1552.0 2.0

# 5669.0 4.0

# 3623.0 2.0

# 5679.0 3.0

# 2985.0 4.0

# 3634.0 5.0

# 1591.0 4.0

# 1597.0 3.0

# 3660.0 4.0

# 1617.0 4.0

# 3671.0 3.0

# 1626.0 3.0

# 39183.0 3.0

# 3679.0 4.0

# 63082.0 3.5

# 1644.0 3.0

# 1645.0 4.0

# 1653.0 3.25

# 3717.0 3.5

# 1676.0 0.5

# 89745.0 2.5

# 1682.0 4.5

# 36513.0 3.0

# 3751.0 4.0

# 3752.0 3.0

# 3753.0 4.0

# 968.0 4.0

# 5810.0 2.0

# 5816.0 4.0

# 1721.0 4.0

# 1732.0 3.0

# 134853.0 2.5

# 3785.0 3.0

# 3793.0 4.0

# 3798.0 4.0

# 5872.0 3.0

# 1792.0 1.0

# 3841.0 4.0

# 5902.0 3.5

# 3868.0 4.0

# 1837.0 1.0

# 5952.0 4.5

# 3908.0 2.0

# 3909.0 3.0

# 1876.0 3.0

# 1882.0 2.0

# 5989.0 4.5

# 5991.0 4.5

# 3948.0 2.5

# 40815.0 2.5

# 1909.0 4.0

# 1911.0 4.0

# 3967.0 4.5

# 3969.0 3.5

# 1923.0 4.0

# 3977.0 3.0

# 3986.0 1.0

# 1945.0 5.0

# 4361.0 2.0

# 112552.0 5.0

# 81834.0 4.0

# 1965.0 3.0

# 4014.0 4.25

# 1968.0 3.3333333333333335

# 59315.0 5.0

# 4022.0 3.75

# 4027.0 4.25

# 4036.0 1.0

# 55247.0 2.0

# 4052.0 3.5

# 2019.0 5.0

# 2022.0 3.0

# 2023.0 5.0

# 2028.0 4.0

# 4084.0 2.0

# 4085.0 3.0

# 106489.0 4.0