**ASSIGNMENT 3**

Aravinda krishnan v

Z1760288

1)

RecommendedItem[item:3897, value:5.0]

RecommendedItem[item:1407, value:5.0]

RecommendedItem[item:3753, value:5.0]

RecommendedItem[item:3911, value:5.0]

RecommendedItem[item:587, value:5.0]

RecommendedItem[item:2762, value:4.6666665]

RecommendedItem[item:2858, value:4.571429]

RecommendedItem[item:3513, value:4.5]

RecommendedItem[item:3499, value:4.5]

RecommendedItem[item:1307, value:4.5]

RecommendedItem[item:223, value:5.0]

RecommendedItem[item:2716, value:5.0]

RecommendedItem[item:3255, value:5.0]

RecommendedItem[item:2700, value:4.6666665]

RecommendedItem[item:3114, value:4.6]

RecommendedItem[item:3897, value:4.5]

RecommendedItem[item:34, value:4.5]

RecommendedItem[item:2692, value:4.5]

RecommendedItem[item:2338, value:4.5]

RecommendedItem[item:2762, value:4.5]

2)

precision= 0.009375 Recall= 0.004891304347826087

precision= 0.05106575963718819 Recall= 0.014066193853427895

precision= 0.042592592592592605 Recall= 0.009264658244250082

precision= 0.039599483204134374 Recall= 0.014389799635701271

precision= 0.031547619047619054 Recall= 0.007692307692307691

precision= 0.04936507936507936 Recall= 0.021996753246753247

precision= 0.04166666666666667 Recall= 0.006521739130434784

precision= 0.03333333333333332 Recall= 0.01882183908045977

precision= 0.032 Recall= 0.009756097560975611

precision= 0.03492063492063492 Recall= 0.02007936507936508

precision= 0.044830246913580236 Recall= 0.03625165343915345

precision= 0.015131578947368423 Recall= 0.006382978723404258

precision= 0.0953125 Recall= 0.017037037037037038

precision= 0.01304347826086957 Recall= 0.013333333333333336

precision= 0.041428571428571426 Recall= 0.006382978723404256

precision= 0.015000000000000005 Recall= 0.022000000000000002

precision= 0.03854166666666668 Recall= 0.021832358674463943

precision= 0.059074074074074084 Recall= 0.023101851851851853

precision= 0.030672268907563027 Recall= 0.01825396825396825

precision= 0.07345679012345681 Recall= 0.015384615384615387

precision= 0.03765432098765432 Recall= 0.01907894736842105

precision= 0.07424242424242423 Recall= 0.013492063492063491

precision= 0.09998797498797496 Recall= 0.029629629629629627

precision= 0.012037037037037037 Recall= 0.004956268221574344

precision= 0.07657657657657656 Recall= 0.01572535991140642

precision= 0.05698198198198198 Recall= 0.02329545454545455

precision= 0.060784313725490216 Recall= 0.03580246913580248

precision= 0.04705882352941177 Recall= 0.015104166666666674

precision= 0.039473684210526314 Recall= 0.01877289377289377

precision= 0.026562499999999996 Recall= 0.007588075880758808

precision= 0.04999999999999999 Recall= 0.015388007054673723

precision= 0.035858585858585854 Recall= 0.016666666666666666

precision= 0.04554263565891472 Recall= 0.016500000000000004

precision= 0.04938271604938272 Recall= 0.041666666666666664

precision= 0.02857142857142858 Recall= 0.013507625272331148

precision= 0.0657974300831444 Recall= 0.027935010482180292

precision= 0.08863636363636365 Recall= 0.028418803418803422

precision= 0.0558641975308642 Recall= 0.02074074074074074

precision= 0.03643892339544514 Recall= 0.01095110087045571

precision= 0.05666666666666666 Recall= 0.016170634920634922

precision= 0.016071428571428573 Recall= 0.015079365079365078

precision= 0.039724310776942356 Recall= 0.015355417529330569

precision= 0.05238095238095239 Recall= 0.02150145772594752

precision= 0.01818181818181818 Recall= 0.009722222222222224

precision= 0.047431077694235595 Recall= 0.022912353347135962

precision= 0.07839506172839505 Recall= 0.01761517615176152

precision= 0.01843434343434343 Recall= 0.008796296296296295

precision= 0.04393939393939394 Recall= 0.01798941798941799

Pearson correlation similarity

precision= 0.00510204081632653 Recall= 0.0024154589371980667

precision= 0.04238095238095237 Recall= 0.013238770685579191

precision= 0.03202764976958525 Recall= 0.015022675736961451

precision= 0.005952380952380952 Recall= 0.001639344262295082

precision= 0.05212765957446809 Recall= 0.017967032967032975

precision= 0.008620689655172414 Recall= 0.002272727272727273

precision= 0.015151515151515152 Recall= 0.0021739130434782613

precision= 0.06626016260162602 Recall= 0.012931034482758619

precision= 0.009523809523809523 Recall= 0.004878048780487805

precision= 0.008695652173913047 Recall= 0.0047619047619047615

precision= 0.007575757575757576 Recall= 0.002083333333333334

precision= 0.014062500000000002 Recall= 0.004255319148936171

precision= 0.026895943562610228 Recall= 0.006666666666666668

precision= 0.02371794871794872 Recall= 0.012857142857142857

precision= 0.025 Recall= 0.004255319148936169

precision= 0.014705882352941176 Recall= 0.0022222222222222214

precision= 0.0030303030303030307 Recall= 0.0035087719298245615

precision= 0.03585858585858587 Recall= 0.009166666666666667

precision= 0.01976190476190476 Recall= 0.007142857142857144

precision= 0.013257575757575761 Recall= 0.00625

precision= 0.009615384615384616 Recall= 0.0026315789473684214

precision= 0.0386904761904762 Recall= 0.027210884353741496

precision= 0.04354838709677419 Recall= 0.013461538461538462

precision= 0.054687500000000014 Recall= 0.011224489795918368

precision= 0.027586206896551717 Recall= 0.012292358803986714

precision= 0.015686274509803925 Recall= 0.009090909090909092

precision= 0.011494252873563218 Recall= 0.0022222222222222227

precision= 0.020833333333333332 Recall= 0.0041666666666666675

precision= 0.043125000000000004 Recall= 0.014285714285714287

precision= 0.0 Recall= 0.0

precision= 0.029861111111111106 Recall= 0.016776895943562617

precision= 0.012345679012345678 Recall= 0.002631578947368421

precision= 0.02619047619047619 Recall= 0.007079365079365082

precision= 0.010869565217391304 Recall= 0.005555555555555556

precision= 0.007936507936507936 Recall= 0.005252100840336136

precision= 0.052308802308802305 Recall= 0.00880503144654088

precision= 0.015625 Recall= 0.0038461538461538464

precision= 0.0365546218487395 Recall= 0.008148148148148147

precision= 0.04687830687830689 Recall= 0.01319124423963134

precision= 0.044208494208494216 Recall= 0.017063492063492062

precision= 0.04444444444444444 Recall= 0.004761904761904762

precision= 0.012280701754385961 Recall= 0.012801932367149759

precision= 0.025 Recall= 0.005466472303206997

precision= 0.0060606060606060615 Recall= 0.003472222222222222

precision= 0.030928330928330926 Recall= 0.01840924775707384

precision= 0.0 Recall= 0.0

precision= 0.025 Recall= 0.004398148148148148

precision= 0.027777777777777776 Recall= 0.009183673469387754

cosine similarity

3)

Top 10 Simlar movies for Toystory

Aladdin (1992)

Toy Story 2 (1999)

Groundhog Day (1993)

Lion King

Beauty and the Beast (1991)

Babe (1995)

Bug's Life

There's Something About Mary (1998)

Wayne's World (1992)

Austin Powers

Top 10 Simlar movies for Batman Forever

Batman Returns (1992)

Batman & Robin (1997)

Batman (1989)

Waterworld (1995)

Dick Tracy (1990)

Lethal Weapon 4 (1998)

Lethal Weapon 3 (1992)

True Lies (1994)

Mission

Last Action Hero (1993)