|  |
| --- |
| sales2000 =load '/home/hduser/Downloads/2000.txt' using PigStorage(',') as (cat\_id,cat\_name,jan:double,feb:double,mar:double,april:double,may:double,jun:double,july:double,aug:double,sept:double,oct:double,nov:double,dec:double); |
|  |  |
|  | sales2001 =load '/home/hduser/Downloads/2001.txt' using PigStorage(',') as (cat\_id,cat\_name,jan:double,feb:double,mar:double,april:double,may:double,jun:double,july:double,aug:double,sept:double,oct:double,nov:double,dec:double); |
|  |  |
|  | sales2002 =load '/home/hduser/Downloads/2002.txt' using PigStorage(',') as (cat\_id,cat\_name,jan:double,feb:double,mar:double,april:double,may:double,jun:double,july:double,aug:double,sept:double,oct:double,nov:double,dec:double); |
|  |  |
|  | group2000= group sales2000 all; |
|  |  |
|  | monthly\_sales2000= foreach group2000 generate SUM(sales2000.jan) as jantotal, SUM(sales2000.feb) as febtotal,SUM(sales2000.mar) as martotal,SUM(sales2000.april) as apriltotal,SUM(sales2000.may) as maytotal,SUM(sales2000.jun) as juntotal,SUM(sales2000.july) as julytotal,SUM(sales2000.aug) as augtotal,SUM(sales2000.sept) as septtotal,SUM(sales2000.oct) as octtotal,SUM(sales2000.nov) as novtotal,SUM(sales2000.dec) as dectotal; |
|  |  |
|  | group2001= group sales2001 all; |
|  |  |
|  | monthly\_sales2001= foreach group2001 generate SUM(sales2001.jan) as jantotal, SUM(sales2001.feb) as febtotal,SUM(sales2001.mar) as martotal,SUM(sales2001.april) as apriltotal,SUM(sales2001.may) as maytotal,SUM(sales2001.jun) as juntotal,SUM(sales2001.july) as julytotal,SUM(sales2001.aug) as augtotal,SUM(sales2001.sept) as septtotal,SUM(sales2001.oct) as octtotal,SUM(sales2001.nov) as novtotal,SUM(sales2001.dec) as dectotal; |
|  |  |
|  | group2002= group sales2002 all; |
|  |  |
|  | monthly\_sales2002= foreach group2002 generate SUM(sales2002.jan) as jantotal, SUM(sales2002.feb) as febtotal,SUM(sales2002.mar) as martotal,SUM(sales2002.april) as apriltotal,SUM(sales2002.may) as maytotal,SUM(sales2002.jun) as juntotal,SUM(sales2002.july) as julytotal,SUM(sales2002.aug) as augtotal,SUM(sales2002.sept) as septtotal,SUM(sales2002.oct) as octtotal,SUM(sales2002.nov) as novtotal,SUM(sales2002.dec) as dectotal; |
|  |  |
|  | --dump group2000; |
|  |  |
|  | --describe monthly\_sales2000; |
|  | --dump monthly\_sales2000; |
|  |  |
|  | ranked2000 = rank(foreach monthly\_sales2000 generate FLATTEN(TOBAG(\*))); |
|  | ranked2001 = rank(foreach monthly\_sales2001 generate FLATTEN(TOBAG(\*))); |
|  | ranked2002 = rank(foreach monthly\_sales2002 generate FLATTEN(TOBAG(\*))); |
|  | --dump ranked2000; |
|  | joined\_bag= join ranked2000 by $0, ranked2001 by $0, ranked2002 by $0; |
|  | describe joined\_bag; |
|  | --dump joined\_bag; |
|  | monthly\_compare= foreach joined\_bag generate $0,$1,$3,$5,ROUND\_TO((($3-$1)/$1\*100),2), ROUND\_TO((($5-$3)/$3\*100),2); |
|  |  |
|  | --dump monthly\_compare; |
|  | avg\_growth= foreach monthly\_compare generate $0,$1,$2,$3,$4,$5, ROUND\_TO((($4+$5)/2),2); |
|  | dump avg\_growth; |
|  | final= order avg\_growth by $6 desc; |
|  | dump final; |