7.6

**1.defining a macro to filter by age > 45**

DEFINE myfilter(relvar,colvar) returns x{$x = filter $relvar by $colvar > 45;};

a = LOAD '/home/acadgild/olympix\_data.csv' USING PigStorage(',') as (name:chararray, age:int, country:chararray, year:chararray,c\_date:chararray, sport:chararray, gold:int, silver:int, bronze:int, total:int);

x1 = myfilter(a,age);

dump x1;



**2. relation to find the number of medals each country won in archery.**

a\_filter1 = FILTER a by sport =='Archery';

athletes\_grp\_country = GROUP a\_filter1 by country;

medal\_sum = FOREACH athletes\_grp\_country GENERATE group AS country, SUM(a\_filter1.total) as medal\_count;

DUMP medal\_sum;



**3. relation to find out the number of medals india won year wise.**

a\_filter = FILTER a by country == 'India';

grp = GROUP a\_filter by year;

total\_medals = FOREACH grp GENERATE group AS year, SUM(a\_filter.total) as total\_medal;

dump total\_medals;



