Answers

A = load 'studentDS' using PigStorage(',') as (name:chararray,col\_undertaken:chararray,dob:chararray,stream:chararray,grade:float,state:chararray,city:chararray);

**1. Find the number of students who scored less than 5(50%).**

Ans:

std\_less\_fifty = filter A by grade < 5.0;

group\_all = group std\_less\_fifty all;

count\_tuple = foreach group\_all generate COUNT (std\_less\_fifty);

No of students who scored less than 50: 188.

**2. List the name of students who are from Alaska.**

Ans:

filter\_std\_alaska = filter A by state matches 'alaska';

list\_std = foreach filter\_std\_alaska generate name;

List of name of students form alaska:

(BELL)

(DAVIS)

(LOGAN)

(YOUNG)

(COWEN)

(DISHONG)

(GIBSON)

(IMMILE)

(KEYSER)

(POLK)

(ROBTS&CMRN)

(STEPHENS)

(WEIRS)

(JACOB)

(BARBARA)

(GEORGE)

(SARAH)

(WILLIAM)

(JOHN)

(JOHN)

(STILLWEL)

(Albright)

(Bowman)

(Brunner)

(Carson)

(Diller)

(Denyes)

(Ellmaker)

(Fisher)

(Gumpf)

(Hartman)

(Halbach)

(Huber)

(Houser)

(Jordan)

(Keubler)

(Kendig)

(Long)

(McGinnis)

(Miller)

(Nourse)

(Quinn)

(Rotharmel)

(Sherer)

(Sherwood)

(Voight)

(Waters)

(Wiley)

(Zahm)

(Matthew)

(Peter)

(Christian)

(George)

(Alexander)

(Frederick)

(Michael)

(Richard)

(Jacob)

(Joseph)

(John W)

(Michael O)

(Daniel)

(William)

(William)

(Joseph)

(Henry)

(Samuel)

(John)

**3. How many government collages are there in Alabama?**

Ans:

filter\_govt\_alabama = filter A by state matches 'alabama' and col\_undertaken matches 'goverenment'; // as per dataset spelling for 'goverenment';

group\_col\_all = group filter\_govt\_alabama all;

count\_govt\_coll = foreach group\_col\_all generate COUNT (filter\_govt\_alabama);

No of govt. collages in Alabama: 2198

**4. List the name of students who are from Oregon and pursuing BE.**

Ans:

filter\_std\_oregon = filter A by state matches 'oregon' and std\_stream matches 'BE'

list\_std\_loc\_n\_stream = foreach filter\_std\_oregon generate name;

dump list\_std\_loc\_n\_stream;

Listing student from oregon and pursuing BE:

(BLOOM)

(PATTERSON)

(WAGGONER)

(IMMILE)

(SHOCK)

(WHITE)

(JOHN)

(RICHARD)

(JACOB)

(Albright)

(Buckius)

(Bowman)

(Cordes)

(Danner)

(Donas)

(Ehrisman)

(Frick)

(Grimler)

(Heinitsh)

(Himmelsbach)

(Hubley)

(Kitch)

(Lambert)

(McNair)

(Naumann)

(Royal)

(Shindle)

(Wayne)

(Reformed)

(P.K.)

(Charles H)

(Jacob)

(Daniel)

(George)

(John)

(Peter)

(George B)

(Philip)

(Dennis)

(George)

(Edwin)

(Frederick)