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

**grunt> A = load '/home/cloudera/Student.txt' using PigStorage(',') as (Name:chararray,ColUndertaken:chararray,DOB:chararray,Stream:chararray,Grade:float,State:chararray,City:chararray);**

**grunt> lessthan = filter A by Grade<5;**

**lessgrp =group lessthan by all;**

**totalstudents = foreach lessgrp generate group, (int)SUM(lessthan.Grade);**

**totalstudents = foreach lessgrp generate group, (int)SUM(lessthan.Grade);**

**(all,333)**

(ANN,3)

(Axer,2)

(BURD,3)

(FUNK,8)

(GAFF,2)

(Gara,2)

(Hagg,2)

(Hall,3)

(JOHN,15)

(BLOOM,9)

(Boyle,2)

(Brown,3)

(Donas,4)

(Frick,4)

(HENRY,3)

(Hager,2)

(Huber,2)

(JACOB,7)

(JAMES,7)

(SARAH,2)

(SHOCK,9)

(WHITE,4)

(Barton,3)

(Bowman,7)

(Christ,3)

(Cordes,4)

(Cornyn,3)

(Danner,4)

(Eagely,2)

(Fraley,3)

(Frecht,2)

(GARVER,3)

(Gonter,2)

(HAMMIL,3)

(HUNTER,2)

(Haines,3)

(Hubley,4)

(IMMILE,4)

(Ihling,1)

(JOSEPH,7)

(LAWNES,3)

(RIDDLE,3)

(RUSTON,2)

(SAMUEL,9)

(STONER,7)

(TIGART,4)

(ABROSER,3)

(BRITTON,3)

(Buckius,4)

(Dellett,2)

(Develin,2)

(Grimler,4)

(JAMISON,4)

(JUSTICE,2)

(MICHAEL,4)

(ORBISON,3)

(RICHARD,4)

(SISTLER,2)

(STEPHEL,2)

(WILLIAM,8)

(Ackerman,3)

(Albright,4)

(CHAMBERS,3)

(Dietrich,6)

(Ehrisman,7)

(Eshleman,3)

(Heinitsh,4)

(MATTHIAS,2)

(MCCONNEL,2)

(MCTEAGUE,2)

(WAGGONER,4)

(ALEXANDER,7)

(Carpenter,5)

(FREDERICK,2)

(MCWILLIAM,3)

(PATTERSON,4)

(Himmelsbach,4)

(Geistenecher,3)

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

**A = load '/home/cloudera/Student.txt' using PigStorage(',') as (Name:chararray,ColUndertaken:chararray,DOB:chararray,Stream:chararray,Grade:float,State:chararray,City:chararray);**

**fromalaska = filter A by State=alaska;**

**stufromalaska = group fromalaska by (Name,State);**

**dump stufromalaska;**

**((BELL,alaska),{(BELL,goverenment,10-07-2004,BBA,9.5,alaska,auburn~)})**

**((JOHN,alaska),{(JOHN,goverenment,20-10-2000,BE,9.5,alaska,auburn~),(JOHN,goverenment,01-01-2003,BE,9.5,alaska,auburn~)})**

**((POLK,alaska),{(POLK,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((COWEN,alaska),{(COWEN,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((DAVIS,alaska),{(DAVIS,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Gumpf,alaska),{(Gumpf,goverenment,12-12-2001,BE,9.5,alaska,auburn~)})**

**((Huber,alaska),{(Huber,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((JACOB,alaska),{(JACOB,goverenment,20-10-2000,BTECH,9.5,alaska,auburn~)})**

**((LOGAN,alaska),{(LOGAN,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((SARAH,alaska),{(SARAH,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((WEIRS,alaska),{(WEIRS,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((YOUNG,alaska),{(YOUNG,goverenment,20-10-2000,MS,9.5,alaska,auburn~)})**

**((Bowman,alaska),{(Bowman,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Carson,alaska),{(Carson,goverenment,12-12-2001,BE,9.5,alaska,auburn~)})**

**((Denyes,alaska),{(Denyes,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Diller,alaska),{(Diller,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Fisher,alaska),{(Fisher,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((GEORGE,alaska),{(GEORGE,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((GIBSON,alaska),{(GIBSON,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Houser,alaska),{(Houser,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((IMMILE,alaska),{(IMMILE,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((KEYSER,alaska),{(KEYSER,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((BARBARA,alaska),{(BARBARA,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Brunner,alaska),{(Brunner,goverenment,01-01-2003,BE,9.5,alaska,auburn~)})**

**((DISHONG,alaska),{(DISHONG,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Halbach,alaska),{(Halbach,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Hartman,alaska),{(Hartman,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((WILLIAM,alaska),{(WILLIAM,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Albright,alaska),{(Albright,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((Ellmaker,alaska),{(Ellmaker,goverenment,20-10-2000,MS,9.5,alaska,auburn~)})**

**((STEPHENS,alaska),{(STEPHENS,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((STILLWEL,alaska),{(STILLWEL,goverenment,20-10-2000,BE,9.5,alaska,auburn~)})**

**((ROBTS&CMRN,alaska),{(ROBTS&CMRN,goverenment,20-10-2000,BTECH,9.5,alaska,auburn~)})**

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

**A = load '/home/cloudera/Student.txt' using PigStorage(',') as (Name:chararray,ColUndertaken:chararray,DOB:chararray,Stream:chararray,Grade:float,State:chararray,City:chararray);**

**filtered = filter A by ColUndertaken=='goverenment' and State=='alabama';grouped = group**

**totalcol = foreach colgrp generate COUNT(filtered.State);**

**dump totalcol;**

**(927)**

1. **List the name of students who are from Oregon and persuing BE.**

**A = load '/home/cloudera/Student.txt' using PigStorage(',') as (Name:chararray,ColUndertaken:chararray,DOB:chararray,Course:chararray,Grade:float,State:chararray,City:chararray);**

**stufilter = filter A by Course=='BE' and State=='oregon';**

**stugrp = group stufilt by Name;**

**final =foreach stugrp generate group by $0;**

**(JOHN)**

**(BLOOM)**

**(Donas)**

**(Frick)**

**(JACOB)**

**(SHOCK)**

**(WHITE)**

**(Bowman)**

**(Cordes)**

**(Danner)**

**(Hubley)**

**(IMMILE)**

**(Buckius)**

**(Grimler)**

**(RICHARD)**

**(Albright)**

**(Ehrisman)**

**(Heinitsh)**

**(WAGGONER)**

**(PATTERSON)**

**(Himmelsbach)**