1)

student\_data = LOAD 'student\_data.txt' USING PigStorage(',') AS (name:chararray,col:chararray,dob:chararray,branch:chararray,grade:float,state:chararray,city:chararray);

student\_details = FOREACH student\_data GENERATE name,(float)grade;

filtered\_student\_details = FILTER student\_details BY grade < 5;

grp\_student\_details = GROUP filtered\_student\_details BY NULL;

count\_student = FOREACH grp\_student\_details GENERATE COUNT(filtered\_student\_details);

DUMP count\_student;

2)

student\_data = LOAD 'student\_data.txt' USING PigStorage(',') AS (name:chararray,col:chararray,dob:chararray,branch:chararray,grade:float,state:chararray,city:chararray);

student\_details = FOREACH student\_data GENERATE name,state;

filtered\_student\_details = FILTER student\_details BY (state matches 'alaska');

DUMP filtered\_student\_details;

3)

student\_data = LOAD 'student\_data.txt' USING PigStorage(',') AS (name:chararray,col:chararray,dob:chararray,branch:chararray,grade:float,state:chararray,city:chararray);

student\_details = FOREACH student\_data GENERATE col,state;

filtered\_student\_details = FILTER student\_details BY ((state matches 'alabama') AND (col matches 'goverenment'));

grp\_student\_details = GROUP filtered\_student\_details BY NULL;

count\_college = FOREACH grp\_student\_details generate COUNT(filtered\_student\_details);

DUMP count\_college;

4)

student\_data = LOAD 'student\_data.txt' USING PigStorage(',') AS (name:chararray,col:chararray,dob:chararray,branch:chararray,grade:float,state:chararray,city:chararray);

student\_details = FOREACH student\_data GENERATE name,state,branch;

filtered\_student\_details = FILTER student\_details BY ((state matches 'oregon') AND (branch matches 'BE'));

DUMP filtered\_student\_details;