SERVER Log:

**Task 1: Create 4 output files, first containing only Error logs, second containing only Debug log, third containing only Trace logs and fourth containing rest of logs.**

step1 = load '/user/cloudera/sample.log' using PigStorage(' ') as (ldate,ltime,module:chararray,trace);

step2 = foreach step1 generate ldate,ltime,module,trace;

step3 = filter step2 by trace=='[ERROR]';

dump step3;

step4 = filter step2 by trace=='[ERROR]';

dump step4;

step5 = filter step2 by trace=='[DEBUG]';

dump step5;

step6 = filter step2 by trace=='[TRACE]';

dump step6;

step7 = filter step2 by trace=='[INFO]' and trace=='[FATAL]' and trace=='[WARN]';

dump step7;

=====================================================================================**Task 2: Count the number of logs of each type like trace log 7, error logs 12 and so on.**

step1 = load '/user/cloudera/sample.log' using PigStorage(' ') as (ldate,ltime,module:chararray,trace:chararray);

step2 = foreach step1 generate trace;

step3 = group step2 by trace;

step4 = foreach step3 generate group,COUNT(step2.trace);

dump step4;

Task 3:

step1 = load '/user/cloudera/sample.log' using PigStorage(' ') as (ldate,ltime,module:chararray,trace:chararray);

step2 = foreach step1 generate module,trace;

step3 = filter step2 by trace=='[ERROR]';

step4 = group step3 by module;

step5 = foreach step4 generate group,COUNT(step3.trace) as Result;

step6 = order step5 by Result DESC;

step7 = limit step6 1;

dump step7;