Below screenshot shows content of table emp-

```
hive (employees)> select * from emp;
OK
emp.emp_id      emp.emp_name    emp.sal emp.dept
101       Amitabh 20000   1
102       Shahrukh        10000   2
103       Akshay  11000   3
104       Anubhav 5000    4
105       Pawan   2500    5
106       Aamir   25000   1
107       Salman  17500   2
108       Ranbir  14000   3
109       Katrina 1000    4
110       Priyanka        2000    5
111       Tushar  500     1
112       Ajay    5000    2
113       Jubeen  1000    1
114       Madhuri 2000    2
Time taken: 4.364 seconds, Fetched: 14 row(s)
hive (employees)>
```

Below query was used to find list of all employees who draw higher salary than the average salary of that department-

SELECT temp.emp_name, temp.sal, temp.dept, temp.avg_salary
FROM
(SELECT avg(sal) OVER (PARTITION BY dept) AS avg_salary, emp_id, emp_name, sal, dept FROM emp) temp
WHERE temp.sal > temp.avg_salary;

Below screenshot shows the query and results for it-

```
hive (employees)> SELECT temp.emp_name, temp.sal, temp.dept, temp.avg_salary  FROM
            > ( SELECT avg(sal) OVER (PARTITION BY dept) AS avg_salary, emp_id, emp_name, sal, dept FROM emp ) temp
            > WHERE temp.sal > temp.avg_salary;
Query ID = acadgild_20171114165959_6c7ef08e-5700-4541-bad2-a6c6c0a8b971
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
  set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
  set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
  set mapreduce.job.reduces=<number>
Starting Job = job_1510658819198_0001, Tracking URL = http://localhost:8088/proxy/application_1510658819198_0001/
Kill Command = /home/acadgild/hadoop-2.6.0/bin/hadoop job  -kill job_1510658819198_0001
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2017-11-14 17:01:13,484 Stage-1 map = 0%,  reduce = 0%
2017-11-14 17:01:57,125 Stage-1 map = 100%,  reduce = 0%, Cumulative CPU 13.58 sec
2017-11-14 17:02:27,227 Stage-1 map = 100%,  reduce = 67%, Cumulative CPU 21.44 sec
2017-11-14 17:02:34,012 Stage-1 map = 100%,  reduce = 100%, Cumulative CPU 32.56 sec
MapReduce Total cumulative CPU time: 32 seconds 560 msec
Ended Job = job_1510658819198_0001
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1  Reduce: 1   Cumulative CPU: 32.56 sec   HDFS Read: 506 HDFS Write: 157 SUCCESS
Total MapReduce CPU Time Spent: 32 seconds 560 msec
OK
temp.emp_name   temp.sal        temp.dept       temp.avg_salary
Aamir   25000   1       11625.0
Amitabh 20000   1       11625.0
Shahrukh        10000   2       8625.0
Salman  17500   2       8625.0
Ranbir  14000   3       12500.0
Anubhav 5000    4       3000.0
Pawan   2500    5       2250.0
Time taken: 167.756 seconds, Fetched: 7 row(s)
hive (employees)>
```