Write Hive Queries for the Below analysis.

1) To Find the impact of education qualification and occupation on total purchasefor each education qualification under an occupation, find the average totalpurchaseytd

(Sol)

select Education, Occupation, avg(totalpurchaseytd) num_of_occurance from individual group by 1,2;

Bachelors Professional 7479.308333333334 Bachelors Management 1854.8718867924529

Partial College Skilled Manual 3204.7428571428572 High School Skilled Manual 2829.4961363636367

Partial College Clerical 5297.51555555556

Partial High School Clerical 3735.447

Graduate Degree Management 3504.454

Partial College Professional 2882.080384615386

High School Professional 3177.532380952381

Partial High School Skilled Manual 3430.793333333333

2) Use grouping sets OR Roll-ups OR Cubes to find avg of totalchildren based on all records, yearly income brackets, and (occupation and qualification). Use grouping IDs to segregate the reports

(Sol)

select Occupation, Education, YearlyIncome, avg(TotalChildren) from individual group by Occupation, Education, YearlyIncome with rollup;

Clerical Partial College25001-50000 2.1111

Clerical Partial College 2.1111

Clerical Partial High School 0-25000 2.0000 Clerical Partial High School 25001-50000 0.0000

Clerical Partial High School 1.0000

Clerical 1.5263

 Management Bachelors
 25001-50000 2.0000

 Management Bachelors
 50001-75000 3.9474

 Management Bachelors
 75001-1000002.4667

Management Bachelors greater than 100000 1.6429

Management Bachelors 2.7358

Management Graduate Degree 25001-50000 2.0000 Management Graduate Degree 50001-75000 3.3846 Management Graduate Degree 75001-1000002.2500

Management Graduate Degree greater than 100000 0.9375

Management Graduate Degree 2.0571

Management 2.4659

 Professional Professional Professional Bachelors
 50001-75000 1.1053

 75001-1000003.0000

Professional Bachelors 1.5000

Professional High School 25001-50000 2.0000 Professional High School 50001-75000 2.1250 Professional High School 75001-1000002.0000

Professional High School greater than 100000 3.0000

Professional High School 2.1905

Professional Partial College 50001-75000 2.7308 Professional Partial College 75001-1000002.8125

Professional Partial Collegegreater than 100000 2.3000

Professional Partial College 2.6731

Professional 2.2784

 Skilled ManualHigh School
 0-25000
 3.8571

 Skilled ManualHigh School
 25001-50000
 0.6000

 Skilled ManualHigh School
 50001-75000
 2.0000

 Skilled ManualHigh School
 75001-1000002.0000

Skilled ManualHigh School 1.3409

Skilled ManualPartial College25001-50000 0.4118 Skilled ManualPartial College50001-75000 1.6923 Skilled ManualPartial College75001-1000001.6667

Skilled ManualPartial College 1.2449

Skilled ManualPartial High School 25001-50000 2.0000 Skilled ManualPartial High School 75001-1000002.0000 Skilled ManualPartial High School 2.0000

Skilled Maridair artial riigii Scriool

Skilled Manual 1.3125

1.9767

3) Sort the number of cars owned after grouping the records by yearly income brackets

(Sol)

select YearlyIncome, sum(NumberCarsOwned) cars_owned from individual group by YearlyIncome order by 2:

0-25000 24 75001-100000 100 greater than 100000 127 25001-50000 135 50001-75000 190

4) use row_number() to rank the commuteDistance in demographics data partitioned by yearly income



select * from (select CustomerID, gender, row_number() over (partition by YearlyIncome order by CommuteDistance) as rnk from individual) j where j.rnk < 3;

NOTE

- -> For each question mentioned above, provide the Query and the output screenshots as Solutions.
- -> The queries can be created based on personal understanding and in any method within the boundaries of the question, but the output must include the desired results.