* any coloumn appear in the groupby clause must appear in the select clause **OR** appear in an aggregate function
* If a column appears in the aggregate function but doesn’t appear in the select then it won’t appear in the result
* FROM generates the data set
* WHERE filters the generated data set
* GROUP BY aggregates the filtered data set
* HAVING filters the aggregated data set
* SELECT transforms the filters aggregated data set
* ORDER BY sorts the transformed data set
* LIMIT .. OFFSET frames the sorted data set