

Homework 5: Reflection

Overall, this assignment went fairly smoothly. GROUP BY and HAVING are two fairly simple clauses and, as such, I didn't run into too many issues during implementation. My main approach was to select * from a table I wanted to partition, then draw out what partitions I wanted from the table. Then, I would figure out what I wanted each partition to contain (ex: country gdp, city population, etc), and run joins/WHERE clauses on the join according to what I wanted in, or out, of each partition. I found UNION to be very helpful during this assignment, as I didn't use it during the last.

One assumption I made was that I forgot that my tables were underpopulated for some of these queries, and, as such, I was getting results I didn't expect (0's in particular). Upon running some simple queries (mostly aggregates), I was able to figure out where, exactly, my problem was, and address it by simply adding more rows to my tables.

My testing strategies went as most go: make sure there are some cases that absolutely should not be covered (ie, just not a match at all), some that *maybe* should be covered (ie, meet one criterion but not another), and some that should be covered (meet all criteria). This strategy has proven to work well so far, as it ensures that, on multiple levels, I'm touching all my bases, and excluding/including results appropriately. There weren't many challenges other than this, aside from populating tables with "tricky" data for the queries to work around.