QUESTION 5

-5. I used two CTEs and joined both CTEs like I would join a normal table to obtain my result. I observed that for me to get the result I desired

--I had to GROUP BY every column in the "Select" statement. I also had to make "Year" column appear on both CTEs so that it would serve as my

--REFERENCIAL KEY.

WITH

Country\_count\_cte (Year, Country\_count) as

(Select year, count(countries.country\_name)

From countries

Inner join [GDP\_per-capita] on countries.country\_code = [GDP\_per-capita].country\_code

Where ([GDP\_per-capita].gdp\_per\_capita IS NOT NULL and [GDP\_per-capita].year < '2012')

Or ([GDP\_per-capita].gdp\_per\_capita IS NULL and [GDP\_per-capita].year = '2012')

Group by [GDP\_per-capita].year),

Total\_cte (Year, Total) as

(Select year, concat('$', cast(sum([GDP\_per-capita].gdp\_per\_capita) as numeric(9,2)))

From [GDP\_per-capita]

Inner join countries on [GDP\_per-capita].country\_code = countries.country\_code

Where ([GDP\_per-capita].gdp\_per\_capita IS NOT NULL and [GDP\_per-capita].year < '2012')

Or ([GDP\_per-capita].gdp\_per\_capita IS NULL and [GDP\_per-capita].year = '2012')

Group by [GDP\_per-capita].year)

Select a.year, a.country\_count, b.total

From Country\_count\_cte a

Join Total\_cte b on a.year = b.year

Group by a.year, a.Country\_count, b.Total order by a.year asc;