QUESTION 3

Use BRAINTEE2;

Step 1: I had to create a new table that contained the following columns; country\_code, continent\_code, year and gdp\_per\_capita.

--This new table will serve as a reference table for the result I want to obtain.

--To INSERT values into this new table, I had to join columns from other tables.

Create table gdp\_percentage (

country\_code nvarchar(50) not null,

continent\_code nvarchar(50) not null,

year smallint not null,

gdp\_per\_capita float null);

Insert into gdp\_percentage

Select country\_code, continent\_code, year, gdp\_per\_capita

From

(Select [GDP\_per-capita].country\_code, [continent-map].continent\_code,[GDP\_per-capita].year, [GDP\_per-capita].gdp\_per\_capita

From [GDP\_per-capita]

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

Where [GDP\_per-capita].year = '2012') as Imported\_table;

Then I viewed my new table to ensure everything was just as I wanted.

Select \* from gdp\_percentage;

Step 2. Then I created a CTE called "continent\_cte". I used Cast to convert the float data to numeric.

--I used (PATINDEX '%A') to represent America because North and Sound America are represented as NA and SA in the continent\_code column.

With continent\_cte (Africa, Asia, Europe, America, Rest\_of\_world, Denominator) as (

Select top 1

(Select sum(gdp\_per\_capita) from gdp\_percentage where continent\_code = 'AF') as Africa,

(Select sum(gdp\_per\_capita) from gdp\_percentage where continent\_code = 'AS') as Asia,

(Select sum(gdp\_per\_capita) from gdp\_percentage where continent\_code = 'EU') as Europe,

(Select sum(gdp\_per\_capita) from gdp\_percentage where patindex('%A', continent\_code) > 0) as America,

(Select sum(gdp\_per\_capita) from gdp\_percentage where continent\_code <> 'AF' and continent\_code <> 'AS' and continent\_code <> 'EU' and continent\_code <> 'NA' and continent\_code <> 'SA') as Rest\_of\_world,

(Select sum(gdp\_per\_capita) from gdp\_percentage) as Denominator

From gdp\_percentage)

Select concat(cast(Africa/Denominator \* 100 as numeric(5,2)), '%') as Africa,

concat(cast(Asia/Denominator \* 100 as numeric(5,2)), '%') as Asia,

concat(cast(Europe/Denominator \* 100 as numeric(5,2)), '%') as Europe,

concat(cast(America/Denominator \* 100 as numeric(5,2)), '%') as America,

concat(cast(Rest\_of\_world/Denominator \* 100 as numeric(5,2)), '%') as Rest\_of\_world

from continent\_cte;