**Global Trade Analysis Project**

**#What is the total value of "Other Commodities" exported to Kenya during 2014-2017?**

create view uniontable as

select \* from

pc\_export\_2014\_2015

Union all

select \* from

pc\_export\_2015\_2016;

create view uniontable2 as

select \* from

uniontable

Union all

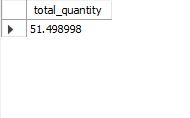
select \* from

pc\_export\_2016\_2017;

select sum(value) as total\_quantity

from uniontable2

where pc\_description = 'Other Commodities' and Country\_name = 'Kenya';



**#Which country received the highest quantity of exports in 2015 -2016?**

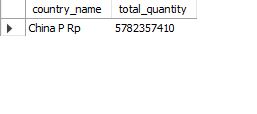
elect country\_name , sum(quantity) as total\_quantity

from pc\_export\_2015\_2016

group by country\_name

order by total\_quantity desc

limit 1;



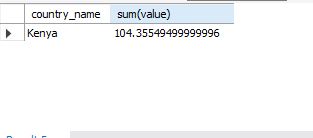
**#What was the total import value to Uganda in 2016-2017?**

select country\_name ,sum(value)

from pc\_import\_2016\_2017

group by country\_name

having country\_name = 'Kenya';



**#How many different countries are included in the export data set?**

select count(distinct(country\_name))

from uniontable2;



**#How many different countries are included in the import data set?**

create view uniontable3 as

select \* from

pc\_import\_2014\_2015

Union all

select \* from

pc\_import\_2015\_2016;

create view uniontable4 as

select \* from

uniontable3

Union all

select \* from

pc\_import\_2016\_2017;

select \* from uniontable4;

select count(distinct(country\_name))

from uniontable4;



**#Which year had the highest total export value?**

SELECT

MAX(total\_export\_value) AS highest\_export\_value

FROM

(SELECT

'2014\_2015' AS year,

SUM(value) AS total\_export\_value

FROM

pc\_export\_2014\_2015

UNION ALL

SELECT

'2015\_2016' AS year,

SUM(value) AS total\_export\_value

FROM

pc\_export\_2015\_2016

UNION ALL

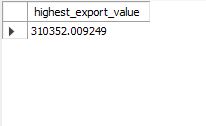
SELECT

'2016\_2017' AS year,

SUM(value) AS total\_export\_value

FROM

pc\_export\_2016\_2017) AS yearly\_exports;



**#Which year had the highest total import value?**

SELECT

MAX(total\_import\_value) AS highest\_import\_value

FROM

(SELECT

'2014\_2015' AS year,

SUM(value) AS total\_import\_value

FROM

pc\_import\_2014\_2015

UNION ALL

SELECT

'2015\_2016' AS year,

SUM(value) AS total\_import\_value

FROM

pc\_import\_2015\_2016

UNION ALL

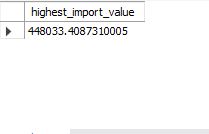
SELECT

'2016\_2017' AS year,

SUM(value) AS total\_import\_value

FROM

pc\_import\_2016\_2017) AS yearly\_imports;



**#What was the average quantity of exports 2014-2015 to Tanzania Rep?**

SELECT

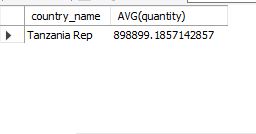
country\_name, AVG(quantity)

FROM

pc\_export\_2014\_2015

GROUP BY country\_name

HAVING country\_name = 'Tanzania Rep';



**# Which country had the lowest import value in 2014?**

SELECT

country\_name, SUM(value) AS total\_imports

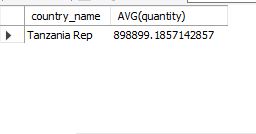
FROM

pc\_import\_2014\_2015

GROUP BY country\_name

ORDER BY total\_imports ASC

LIMIT 1;



**#What is the percentage change in export value to Benin from 2014 to 2017?**

SELECT

((export\_2017 - export\_2014) / export\_2014) \* 100 AS percentage\_change

FROM

(SELECT

SUM(value) AS export\_2014

FROM

pc\_export\_2014\_2015

WHERE

country\_name = 'Benin') AS benin\_2014,

(SELECT

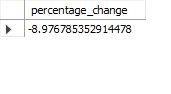
SUM(value) AS export\_2017

FROM

pc\_export\_2016\_2017

WHERE

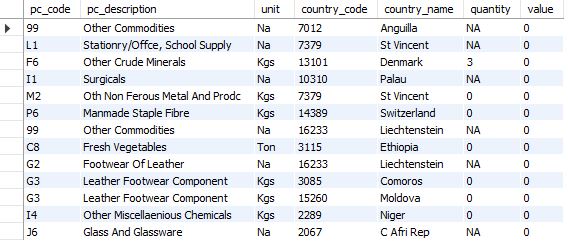
country\_name = 'Benin') AS benin\_2017;



**#Is there any country that received zero exports throughout the entire period?**

select \* from uniontable2

where value = 0;



**#Which country had the highest average export value ?**

SELECT

country\_name, SUM(value) AS total\_export

FROM

uniontable2

WHERE

value > (SELECT

AVG(value)

FROM

uniontable2)

GROUP BY country\_name

ORDER BY total\_export DESC

Limit 1;



**# What is the total export value of "Other Commodities" across all countries and years?**

SELECT

pc\_code, SUM(value) AS total\_export

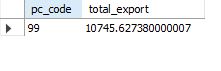
FROM

uniontable2

WHERE

pc\_description = 'Other Commodities'

GROUP BY pc\_code;



**-- Identify the country with the highest import value in 2017.**

SELECT

country\_name, SUM(value) AS total\_import

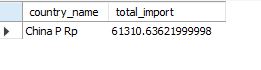
FROM

pc\_import\_2016\_2017

GROUP BY country\_name

ORDER BY total\_import DESC

limit 1;



**#How much value of "Other Commodities" were imported to Unspecified countries in 2016?**

SELECT

pc\_code, SUM(value) AS total\_import

FROM

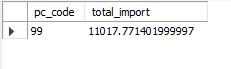
pc\_import\_2015\_2016

WHERE

pc\_description = 'Other Commodities'

GROUP BY pc\_code

ORDER BY total\_import;



**#What is the average export value for all countries and years?**

SELECT

AVG(value) avg\_export

FROM

uniontable2;



**#Which country had the lowest export in 2015?**

SELECT

country\_name, SUM(value) AS total\_export

FROM

pc\_export\_2015\_2016

GROUP BY country\_name

ORDER BY total\_export ASC

LIMIT 1;



**-- Identify the country with the highest exports in 2014.**

SELECT

country\_name, SUM(value) AS highest\_exports

FROM

pc\_export\_2014\_2015

GROUP BY country\_name

ORDER BY highest\_exports DESC

LIMIT 1;



**#Calculate the total export value to all specified countries (excluding "Unspecified") in 2017.**

SELECT

country\_name, SUM(value) AS total\_export\_value

FROM

pc\_export\_2016\_2017

;

