--INTRODUCTION

--The World Happiness Report is documented to evaluate the countries by their happiness level.

--ASK PHASE

--Which Country or Region has highest happiness score between 2018-2019? Top 3 Countries.

--Which Country has highest GDP Per Capita between 2018-2019?

--Top 3 unhappy countries.

--ANALYSE PHASE

SELECT TOP 10 \* FROM [2018]

SELECT TOP 10 \* FROM [2019]

DROP TABLE IF EXISTS happiness\_data\_2018

CREATE TABLE happiness\_data\_2018

(Overall\_rank tinyint not null,

Country\_or\_region nvarchar(50) not null,

Score FLOAT not null,

GDP\_per\_capita FLOAT not null,

Social\_support FLOAT not null,

Healthy\_life\_expectancy FLOAT not null,

Freedom\_to\_make\_life\_choices FLOAT not null,

Generosity FLOAT not null,

Perceptions\_of\_corruption FLOAT)

INSERT into happiness\_data\_2018

SELECT \* from [2018]

DROP TABLE IF EXISTS happiness\_data\_2019

CREATE TABLE happiness\_data\_2019

(Overall\_rank tinyint not null,

Country\_or\_region nvarchar(50) not null,

Score FLOAT not null,

GDP\_per\_capita FLOAT not null,

Social\_support FLOAT not null,

Healthy\_life\_expectancy FLOAT not null,

Freedom\_to\_make\_life\_choices FLOAT not null,

Generosity FLOAT not null,

Perceptions\_of\_corruption FLOAT)

INSERT into happiness\_data\_2019

SELECT \* from [2019]

SELECT \* FROM happiness\_data\_2018

SELECT \* FROM happiness\_data\_2019

DROP TABLE IF EXISTS total\_data

CREATE TABLE total\_data

(Overall\_rank tinyint not null,

Country\_or\_region nvarchar(50) not null,

Score FLOAT not null,

GDP\_per\_capita FLOAT not null,

Social\_support FLOAT not null,

Healthy\_life\_expectancy FLOAT not null,

Freedom\_to\_make\_life\_choices FLOAT not null,

Generosity FLOAT not null,

Perceptions\_of\_corruption FLOAT)

INSERT INTO total\_data

SELECT \* FROM happiness\_data\_2018 as a join happiness\_data\_2019 as b on a.Overall\_rank=b.Overall\_rank

WITH CTE\_table as(

SELECT \* FROM [2018]

UNION ALL

SELECT \* FROM [2019] )

SELECT TOP 5 Country\_or\_region,MAX(Score) as max\_score,MAX(GDP\_per\_capita) as max\_gdp

FROM CTE\_table

GROUP BY Country\_or\_region

ORDER BY max\_score DESC, max\_gdp DESC

--Top 5 countries that have max score and gdp are Finland,Denmark,Norway,Iceland,Netherlands in 2018-2019.

WITH CTE\_table as(

SELECT \* FROM [2018]

UNION ALL

SELECT \* FROM [2019])

SELECT TOP 5 Country\_or\_region,Generosity,Perceptions\_of\_corruption,MIN(Score) as min\_score,MIN(GDP\_per\_capita)as min\_gdp

FROM CTE\_table

GROUP BY Country\_or\_region,Generosity,Perceptions\_of\_corruption

ORDER BY min\_score , min\_gdp

--According to above query, 5 top countries that has min happiness score and gdp are: South Sudan,Burundi,Central African Republib,Afganistan,Tanzania.

--According to above two queries, majority of countries that have highest happiness score and gdp are in Europe.