## Creating a temp table to be modified

CREATE TABLE temp\_emperors as (

SELECT \* FROM emperors

)

## Changing the shortname of the emperors to upper case

UPDATE temp\_emperors

SET name = UPPER(name)

## Changing the fullname to lowercase

UPDATE temp\_emperors

SET full\_name = LOWER(full\_name)

## Verifying if the changes were effected

SELECT \* FROM temp\_emperors

SELECT DISTINCT name, full\_name FROM temp\_emperors

# Adding a column to the emperors table and naming it birthplace

## Birthplaace column is a combination of two columns; city and province

ALTER TABLE temp\_emperors

ADD COLUMN birthplace text

ALTER TABLE temp\_emperors

ALTER COLUMN death

type timestamp without time zone

USING death::timestamp with time zone

UPDATE temp\_emperors

SET birth\_city = 'Unknown'

WHERE birth\_city IS NULL

## Changing NULL cells to Unknown

UPDATE temp\_emperors

SET birth\_province = 'Unknown'

WHERE birth\_province IS NULL

UPDATE temp\_emperors

SET birthplace = CONCAT(birth\_city, ', ', birth\_province)

## Setting records with 'Unknown Unknown' to 'Unknown'

UPDATE temp\_emperors

SET birthplace = 'Unknown'

WHERE birthplace = 'Unknown, Unknown'

ALTER TABLE temp\_emperors

ALTER COLUMN death

type timestamp without time zone

USING death::timestamp with time zone

ALTER TABLE temp\_emperors

ALTER COLUMN birth

type timestamp without time zone

USING birth::timestamp with time zone

# Adding a column 'age'

## age was generated by subtracting birth year from the year they died

ALTER TABLE temp\_emperors

ADD COLUMN age text

UPDATE temp\_emperors

SET age = EXTRACT(YEAR FROM death) - EXTRACT(YEAR FROM birth)

UPDATE temp\_emperors

SET age = EXTRACT(YEAR FROM death) - EXTRACT(YEAR FROM birth)

UPDATE temp\_emperors

SET age = 'Unknown'

where age is null

## Verifying if the changnes were effected

select \* from temp\_emperors

# Adding a column reign

## Reign records were generated from the the reign\_start and reign\_end column

ALTER TABLE temp\_emperors

ADD COLUMN reign text

ALTER TABLE temp\_emperors

ALTER COLUMN reign\_start

type timestamp without time zone

USING reign\_start::timestamp without time zone

ALTER TABLE temp\_emperors

ALTER COLUMN reign\_end

type timestamp without time zone

USING reign\_end::timestamp without time zone

UPDATE temp\_emperors

SET reign = EXTRACT(YEAR FROM reign\_end) - EXTRACT(YEAR FROM reign\_start)

## Verifying if the changes were effected correctly

SELECT EXTRACT(YEAR FROM reign\_end), EXTRACT(YEAR FROM reign\_start), reign FROM temp\_emperors

## Chaging the cause of death to other as specified in the objectives

UPDATE temp\_emperors

SET cause = 'Other'

where cause <> 'Assassination'

and cause <> 'Natural Causes'

and cause <> 'Execution'

and cause <> 'Died in Battle'

and cause <> 'Suicide'

## Verifying if the changes were effected

SELECT DISTINCT name, full\_name, birthplace, age, reign, cause as cod, era

FROM temp\_emperors

order by name asc

## Creating Table to store final work

CREATE TABLE cleaned\_emperors AS (

SELECT DISTINCT name, full\_name, birthplace, age, reign, cause as cod, era

FROM temp\_emperors

order by name asc

)