Categorize :

SELECT report\_code, year, month, day, wind\_speed

CASE

WHEN wind\_speed >=40 THEN "high"

WHEN wind\_speed >=30 THEN "modarate"

WHEN wind\_speed >=0 THEN "low"

else "n/a"

end as wind\_severity,

FROM STATION\_DATA

V2

SELECT

CASE

WHEN wind\_speed >=40 THEN "high"

WHEN wind\_speed >=30 THEN "modarate"

WHEN wind\_speed >=0 THEN "low"

else "n/a"

end as wind\_severity,

count (\*) as record\_count

FROM STATION\_DATA

GROUP by wind\_severity

V3 to have tornado and without tornado --- se poate folosi null in loc de 0 in conditie

SELECT year, month,

SUM(case WHEn tornado = 1 then precipitation ELSE 0 end) as tornado\_precipitation,

SUM(case WHEn tornado = 0 then precipitation else 0 end) AS non\_tornado\_precipitation

FROM STATION\_DATA

where year >=1990

GROUP by year, month

V3 avg temp grouped pe ani si quarter

select year,

CASE when month >=10 THEN "Q4"

when month >=7 THEN "Q3"

when month >=4 THEN "Q2"

when month >=1 THEN "Q1"

else "n/a"

end as quarter,

AVG(temperature) as avg\_temperature

from STATION\_DATA

GROUP by 1,2

JOINS

select order\_id, CUSTOMER.customer\_id, order\_date, ship\_date, name, street\_address,

city, state, zip, product\_id, order\_qty

from CUSTOMER inner JOIN CUSTOMER\_ORDER

on CUSTOMER.customer\_id = CUSTOMER\_ORDER.customer\_id

inner join – face o intersectie -- from CUSTOMER inner JOIN CUSTOMER\_ORDER

left join – parent table on the LEFT: from CUSTOMER LEFT JOIN CUSTOMER\_ORDER

MULTIPLE JOIN

select order\_id,

CUSTOMER.customer\_id,

NAME AS CUSTOMER\_NAME,

street\_address,

city,

STATE,

ZIP,

order\_date,

PRODUCT.product\_id,

description,

order\_qty

FROM CUSTOMER INNER JOIN CUSTOMER\_ORDER

ON CUSTOMER.customer\_id = CUSTOMER\_ORDER.customer\_id

INNER JOIN PRODUCT

ON PRODUCT.product\_id = CUSTOMER\_ORDER.product\_id

TOTAL REVENUE BY CUSTOMER

select order\_id,

CUSTOMER.customer\_id,

NAME AS CUSTOMER\_NAME,

SUM(order\_qty\* PRICE) AS total\_REVENUE

FROM CUSTOMER INNER JOIN CUSTOMER\_ORDER

ON CUSTOMER.customer\_id = CUSTOMER\_ORDER.customer\_id

INNER JOIN PRODUCT

ON PRODUCT.product\_id = CUSTOMER\_ORDER.product\_id

GROUP BY 1,2

VAR 2 cu left join si 0 ca default value

select order\_id,

CUSTOMER.customer\_id,

NAME AS CUSTOMER\_NAME,

COALESCE(SUM(order\_qty\* PRICE),0) AS total\_REVENUE

FROM CUSTOMER LEFT JOIN CUSTOMER\_ORDER

ON CUSTOMER.customer\_id = CUSTOMER\_ORDER.customer\_id

LEFT JOIN PRODUCT

ON PRODUCT.product\_id = CUSTOMER\_ORDER.product\_id

GROUP BY 1,2

CREATE table

create table company(

company\_id integer PRIMARY key AUTOINCREMENT,

name varchar(30)not null,

description varchar(60),

primary\_contact\_attendee\_id integer not null,

foreign KEY (PRIMARY\_contact\_attendee\_id) REFERENCES attendee (attendee\_id)

)