SELECT

Les énergies les plus utilisées ainsi que leur pourcentage par pays.

```
Country,
       CASE
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Coal THEN 'Coal'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Gas THEN 'Gas'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Oil THEN 'Oil'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Hydro THEN 'Hydro'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Renewable THEN
'Renewable'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Nuclear THEN 'Nuclear'
       END AS 'Type energie',
       MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) AS '%'
FROM country
Le type d'énergie avec le nombre de pays qui utilisent cette énergie comme source
principale
SELECT
       CASE
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Coal THEN 'Coal'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Gas THEN 'Gas'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Oil THEN 'Oil'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Hydro THEN 'Hydro'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Renewable THEN
'Renewable'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Nuclear THEN 'Nuclear'
       END AS 'Type energie',
       COUNT(*) AS 'Nombre de pays'
FROM country
GROUP BY CASE
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Coal THEN 'Coal'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Gas THEN 'Gas'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Oil THEN 'Oil'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Hydro THEN 'Hydro'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Renewable THEN
'Renewable'
              WHEN MAX(Coal, Gas, Oil, Hydro, Renewable, Nuclear) = Nuclear THEN 'Nuclear'
       END
```

Les 5 pays qui utilisent le plus le charbon

SELECT Country, Coal FROM country ORDER BY Coal DESC LIMIT 5

Les 5 pays qui utilisent le plus le gaz

SELECT Country, Gas FROM country ORDER BY Gas DESC LIMIT 5

Les 5 pays qui utilisent le plus le pétrole

SELECT Country, Oil FROM country ORDER BY Oil DESC LIMIT 5

Les 5 pays qui utilisent le plus l'hydraulique

SELECT Country, Hydro FROM country ORDER BY Hydro DESC LIMIT 5

Les 5 pays qui utilisent le plus le renouvelable

SELECT Country, Renewable FROM country
ORDER BY Renewable DESC
LIMIT 5

Les 5 pays qui utilisent le plus le nucléaire

SELECT Country, Nuclear FROM country
ORDER BY Nuclear DESC LIMIT 5

5 -

1) Ajouter les colonnes:

ALTER TABLE country ADD COLUMN "emmission charbon" INT;
ALTER TABLE country ADD COLUMN "emmission gaz" INT;
ALTER TABLE country ADD COLUMN "emmission pétrole" INT;
ALTER TABLE country ADD COLUMN "emmission hydraulique" INT;
ALTER TABLE country ADD COLUMN "emmission renouvelable" INT;
ALTER TABLE country ADD COLUMN "emmission nucléaire" INT;

2) Remplissage

UPDATE country **SET** "emmission charbon" = **ROUND**(Coal * (**SELECT** "Médiane de gCO2/kWh" **FROM** emmissions par source **WHERE** "Source" = "Charbon"), 1)

```
UPDATE country SET "emmission gaz" = ROUND(Gas * (SELECT "Médiane de gCO2/kWh" FROM emmissions_par_source WHERE "Source" = "Gaz naturel"), 1)

UPDATE country SET "emmission pétrole" = ROUND(Oil * (SELECT "Médiane de gCO2/kWh" FROM emmissions_par_source WHERE "Source" = "Pétrole"), 1)

UPDATE country SET "emmission hydraulique" = ROUND(Hydro * (SELECT "Médiane de gCO2/kWh" FROM emmissions_par_source WHERE "Source" = "Hydraulique"), 1)

UPDATE country SET "emmission renouvelable" = ROUND(Renewable * (SELECT "Médiane de gCO2/kWh" FROM emmissions_par_source WHERE "Source" = "Renouvelable (Solaire)"), 1)

UPDATE country SET "emmission nucléaire" = ROUND(Nuclear * (SELECT "Médiane de gCO2/kWh" FROM emmissions_par_source WHERE "Source" = "Nucléaire"), 1)
```