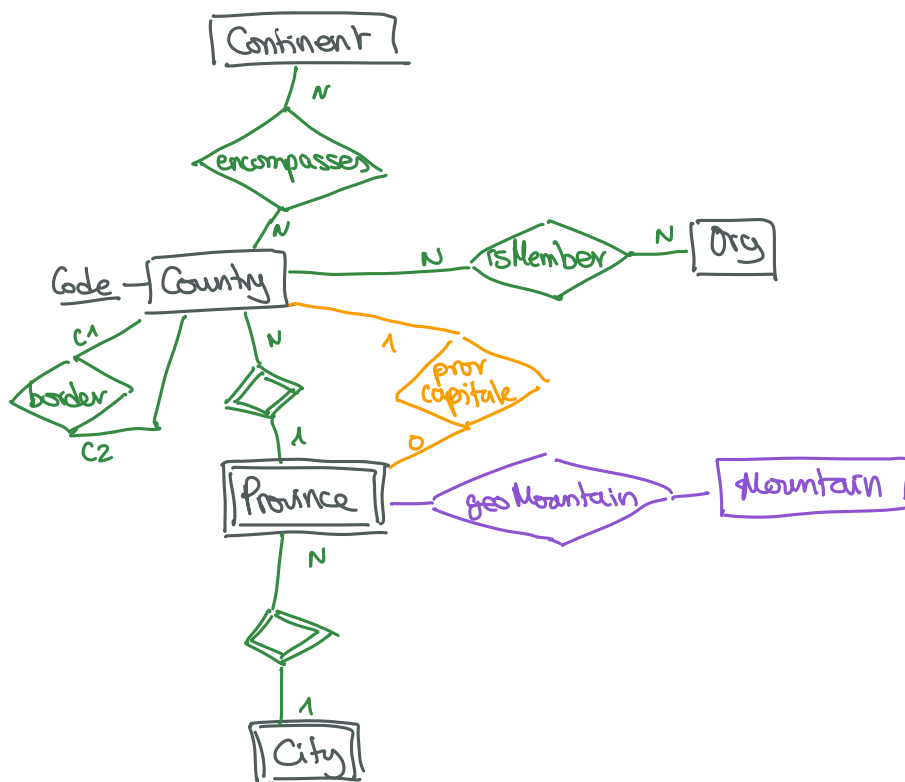


Diagramme EVA :

1:N → ajouter clé étrangère
N:N → autre relation



① SELECT c.name, c.population
② FROM Country c, Organization o, isMember m
WHERE c.code = m.country
and o.abbreviation = m.organization
and o.name = 'United Nations'
ORDER BY c.name c.population DESC

simplification.

③ SELECT c.name
FROM Country c
WHERE c.code NOT IN
SELECT m.country
FROM Organization o, isMember m
WHERE o.abbreviation = m.organization
and o.name = 'United Nations'

3b) Avec une soustraction A - B
les éléments de A et B sont des identifiants de pays 'code'

A SELECT c.code, c.name
FROM Country c
MINUS

B SELECT m.country, c.name
FROM Country c, Organization o, isMember m
WHERE c.code = m.country
and o.abbreviation = m.organization
and o.name = 'United Nations'

④ SELECT b.country2
FROM Country f, Borders b
WHERE f.code = b.country1
and f.name = 'France'
UNION

Si on veut la c.name, on ajoute
on same Country et b.country2 = c.code

SELECT b.country1
FROM Country f, Borders b
WHERE f.code = b.country2
and f.name = 'France'

UNION des 2 requêtes

⑤ SELECT v.code, v.name
FROM Country f, Border b, Country v
WHERE f.name = 'France'
and ((f.code = b.country1 and v.code = b.country2)
or
(f.code = b.country2 and v.code = b.country1))

or c'est dans WHERE
entre 2 booleens

⑥ SELECT SUM(b.length)
FROM Country f, Border b
WHERE f.name = 'France'
and (f.code = b.country1
or
f.code = b.country2)

SELECT c.code, COUNT b.

⑦ SELECT p.code, count(*), p.name
FROM Border b, Country p
WHERE p.code = b.country1
or p.code = b.country2

GROUP BY c.code

GROUP BY p.code, p.name ← à ajouter en TME

⑧ SELECT p.code, p.name, SUM(v.population)
FROM Border b, Country p, Country v
WHERE (p.code = b.country1 and v.code = b.country2)
or (p.code = b.country2 and v.code = b.country1)
GROUP BY p.code, p.name

⑨ SELECT p.code, p.name, SUM(v.population)
FROM Border b, Country p, Country v, Encompasses e
WHERE ((p.code = b.country1 and v.code = b.country2)
or
(p.code = b.country2 and v.code = b.country1))
GROUP BY p.code, p.name
HAVING p.code in (SELECT e.country
FROM Encompasses e
WHERE e.continent = 'Europe')

(10)

```

SELECT o.abbrev, sum(p.population), count(*)
FROM Organization o, Country p, isMember m
WHERE m.country = p.code
      and m.organization = o.abbrev
GROUP BY o.abbrev
HAVING COUNT(*) > 100

```

(11)

p1	=====	12000
p2	=====	11000

return p1, 80, 3
p2, 60, 4

RQ : on peut remplacer count(*) par count(1)
 count(m.country) count(m.country, m.organization).
 count(m.organization) mais pas ~~count(distinct m.organization)~~
 count (Distinct country)

DISTINCT enleve les doublons

(12)

les pays avec leur montagne.

tg la hauteur = [hauteur max des montagnes de ce pays]

ou

l'autre montagne de ce pays dont la hauteur est > à cette montagne.