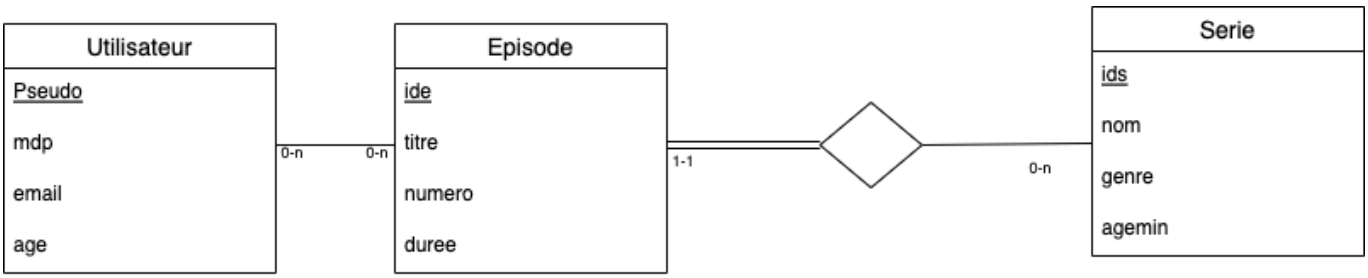
Réponse examen

Sommaire :

Schéma :



Exercice 1

1. oui
2. oui
3. oui
4. oui
5. oui
6. non -> interdit

Exercice 2

> 1. Check (pseudo <> mdp)
> 2. VARCHAR[25] pseudo
> 3. NOT NULL
> 4. (ids, numero) UNIQUE (dans épisode)
> 5. ON DELETE CASCADE

Exercice 3

> 1. SELECT DISTINCT
> 2. SELECT DISTINCT .... IS NUL ....
> 3. SELECT pseudo FROM utilisateur NATURAL JOIN regarde as J1, (serie NATURAL JOIN episode as J2 WHERE J1.idE = J2.idE AND J2.agemin > J1.age)
> 4. SELECT nom, COUNT(*) as nb FROM Serie NATURAL JOIN episode GROUP BY nom ORDER BY ub
> 5. SELECT nom, COUNT*() as nb FROM Serie NATURAL JOIN WHERE genre = 'Serie Film' episode GROUPE BY nom HAVING COUNT*() >=30

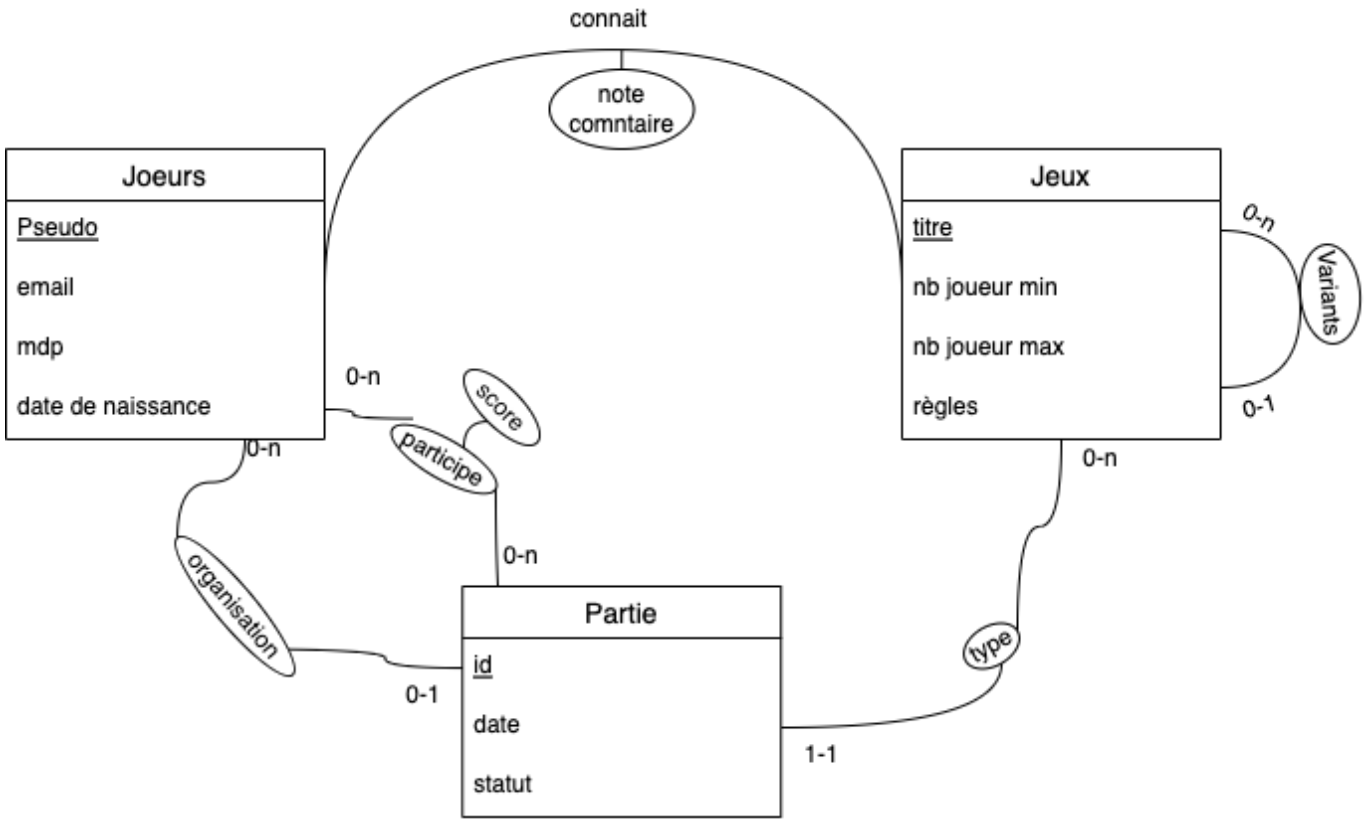
6. FROM (regarde NATURAL JOIN episode) as J1 WHERE J1.numero <> 1 AND J1 numeros 1 NOT IN (SELECT J2 numero FROM (regarde NATURAL JOIN episode) as J2 WHERE J1 pseudo = J2 pseudo AND J1.ids = J2.ids)
7.

```
WITH X AS (
    SELECT idE, AVG (note) as nb
    FROM (regarde NATURAL JOIN episode) as J2, serie S
    WHERE S.idS = J.idS
    GROUP BY nom, idE, titre, idS
);
SELECT nom, titre
FROM X
WHERE X.nb = (SELECT MAX(Y.NB)
              FROM X as Y
              WHERE X.idS = Y.idS);
```

Exercice 3Bis

1. π_{titre} = ($\sigma_{Nom = "Rome"}$(serie) $\bowtie$ $\sigma_{"numero = 1"}$(episode))
2. π_{pseudo} (utilisateur) \ π_{pseudo}($\sigma_{note = 0}$(regarde))
3. trop dur

Exercice 4 Modélisation



Joueur(pseudo, email, ...)

Jeux(titre, ...)

Variante(jeu#, variante#)

Commentaires(pseudo, titre, note, commentaire)

Partie(id, date, statut, pseudo_orga#, jeu#)

Participe(joueur#, partie#, classement, score)