

3 MIDI'HOME CAMPING™ - NOT IN - NOT EXISTS - MINUS

R30 : le nom des bungalows qui n'ont jamais été loués.

```
SELECT nomBungalow
FROM Bungalows
WHERE idBungalow NOT IN (SELECT idBungalow
                        FROM Locations);

Ou

SELECT nomBungalow
FROM Bungalows
WHERE idBungalow IN (SELECT idBungalow
                    FROM Bungalows
                    MINUS
                    SELECT idBungalow
                    FROM Locations);

Ou

SELECT nomBungalow
FROM Bungalows b
WHERE NOT EXISTS (SELECT *
                FROM Locations c
                WHERE c.idBungalow = b.idBungalow);
```

R31 : le nom des campings qui n'ont pas d'employé.

```
SELECT nomCamping
FROM Campings
WHERE idCamping IN (SELECT idCamping
                    FROM Campings
                    MINUS
                    SELECT idCamping
                    FROM Employes);

Ou

SELECT nomCamping
FROM Campings c
WHERE NOT EXISTS (SELECT *
                FROM Employes e
                WHERE e.idCamping = c.idCamping);

Ou

SELECT nomCamping
FROM Campings
WHERE idCamping NOT IN (SELECT idCamping
                    FROM Employes
                    WHERE idCamping IS NOT NULL);
```

R32 : le nom des services qui sont dans la catégorie Loisir ou bien qui ne sont proposés dans aucun bungalow du camping 'The White Majestic'.

```
SELECT nomService
FROM Services s
WHERE categorieService = 'Loisir'
OR NOT EXISTS (SELECT *
                FROM Campings c2
                JOIN Bungalows b2 ON b2.idCamping = c2.idCamping
                JOIN Proposer p2 ON p2.idBungalow = b2.idBungalow
                WHERE nomCamping = 'The White Majestic'
                AND p2.idService = s.idService);

Ou

SELECT nomService
FROM Services s
WHERE categorieService = 'Loisir'
OR idService NOT IN (SELECT idService
                    FROM Campings c
                    JOIN Bungalows b ON b.idCamping = c.idCamping
                    JOIN Proposer p ON p.idBungalow = b.idBungalow
                    WHERE nomCamping = 'The White Majestic');
```

R33 : le nom des clients qui n'ont réalisé que des locations dans des bungalows de plus de 58m².

```
SELECT nomClient
FROM Clients c1
WHERE NOT EXISTS (SELECT *
                FROM Locations l2
                JOIN Bungalows b2 ON l2.idBungalow = b2.idBungalow
                WHERE superficieBungalow <= 58
                AND l2.idClient = c1.idClient);

Ou encore, si on ne veut pas les clients qui n'ont pas de location :

SELECT nomClient
FROM Clients c1
WHERE NOT EXISTS (SELECT *
                FROM Locations l2
                JOIN Bungalows b2 ON l2.idBungalow = b2.idBungalow
                WHERE superficieBungalow <= 58
                AND l2.idClient = c1.idClient)

AND EXISTS (SELECT *
            FROM Locations l3
            WHERE l3.idClient = c1.idClient);
```

```
Ou encore

SELECT nomClient
FROM Clients
WHERE idClient IN (SELECT idClient
                  FROM Locations
                  MINUS
                  SELECT idClient
                  FROM Locations l
                  JOIN Bungalows b ON l.idBungalow = b.idBungalow
                  WHERE superficieBungalow <= 58);
```

R34 : le nom des clients montpelliérains qui n'ont jamais réalisé de location dans un bungalow qui ne propose pas de service.

```
SELECT nomClient
FROM Clients c1
WHERE villeClient = 'Montpellier'
AND NOT EXISTS (SELECT *
                FROM Locations l2
                WHERE l2.idClient = c1.idClient
                AND NOT EXISTS (SELECT *
                                FROM Proposer p3
                                WHERE p3.idBungalow = l2.idBungalow));

Ou

SELECT nomClient
FROM Clients
WHERE villeClient = 'Montpellier'
AND idClient NOT IN (SELECT idClient
                    FROM Locations l
                    WHERE idBungalow NOT IN (SELECT idBungalow
                                            FROM Proposer p));
```

```
Ou

SELECT nomClient
FROM Clients
WHERE idClient IN (SELECT idClient
                  FROM Clients
                  WHERE villeClient = 'Montpellier'
                  MINUS
                  SELECT idClient
                  FROM Locations
                  WHERE idBungalow IN (SELECT idBungalow
                                      FROM Bungalows
                                      MINUS
                                      SELECT idBungalow
                                      FROM Proposer));
```

R40 : l'identifiant, le nom et le prénom des clients qui ont réalisé une location (au moins) dans un camping qui se trouve dans la ville où ils habitent.

```
SELECT DISTINCT cl.idClient, nomClient, prenomClient
FROM Clients cl
JOIN Locations l ON cl.idClient = l.idClient
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings ca ON b.idCamping = ca.idCamping
WHERE villeClient = villeCamping;
```

R41 : le nom des employés qui ne sont pas affectés à un camping.

```
SELECT nomEmploye
FROM Employes
WHERE idCamping IS NULL;
```

R42 : le nombre de bungalows du camping 'La Décharge Monochrome' qui ont été loués par le client Agathe Zeblouse.

```
SELECT COUNT(DISTINCT b.idBungalow) "nb bungalows"
FROM Clients cl
JOIN Locations l ON cl.idClient = l.idClient
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings ca ON b.idCamping = ca.idCamping
WHERE nomCamping = 'La Décharge Monochrome'
AND nomClient = 'Zeblouse'
AND prenomClient = 'Agathe';
```

R43 : le nom et le prénom des clients qui n'ont jamais réalisé de location dans le camping 'Les Flots Bleus'.

```
SELECT nomClient, prenomClient
FROM Clients cl
WHERE NOT EXISTS (SELECT *
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON b.idCamping = c.idCamping
WHERE nomCamping = 'Les Flots Bleus'
AND c1.idClient = l.idClient);
```

R44 : le nom et le prénom des employés dont un des subordonnés (au moins) possède lui-même un ou plusieurs subordonnés.

```
SELECT nomEmploye, prenomEmploye
FROM Employes
WHERE idEmploye IN (SELECT grandChef.idEmploye
FROM Employes grandChef
JOIN Employes sousChef
ON sousChef.idEmployeChef = grandChef.idEmploye
JOIN Employes subordonne
ON subordonne.idEmployeChef = sousChef.idEmploye);
```

Ou

```
SELECT nomEmploye, prenomEmploye
FROM Employes
WHERE idEmploye IN (SELECT idEmployeChef
FROM Employes
WHERE idEmploye IN (SELECT idEmployeChef
FROM Employes));
```

R45 : le numéro de la location du camping 'The White Majestic' qui a duré le plus de temps.

```
SELECT idLocation
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON c.idCamping = b.idCamping
WHERE nomCamping = 'The White Majestic'
AND (dateFin-dateDebut) = (SELECT MAX((dateFin-dateDebut))
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON c.idCamping = b.idCamping
WHERE nomCamping = 'The White Majestic');
```

R46 : les villes dans lesquelles résident des clients mais où il n'y a pas de camping.

```
SELECT villeClient
FROM Clients
MINUS
SELECT villeCamping
FROM Campings;
```

R47 : le nom et le prénom du dernier client qui a loué le bungalow 'La Poubelle'.

```
SELECT nomClient, prenomClient
FROM Clients c
JOIN Locations l ON c.idClient = l.idClient
JOIN Bungalows b ON l.idBungalow = b.idBungalow
WHERE nomBungalow = 'La Poubelle'
AND dateFin = (SELECT MAX(dateFin)
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
WHERE nomBungalow = 'La Poubelle');
```

R48 : le nom et le prénom des clients pour lesquels toutes les locations ont duré au moins 10 jours.

```
SELECT nomClient, prenomClient
FROM Clients
WHERE idClient IN (SELECT idClient
FROM Locations
MINUS
SELECT idClient
FROM Locations
WHERE (dateFin-dateDebut) < 10 );
```

R49 : le nom et le prénom des clients qui ont effectué une location (au moins) dans le camping 'Les Flots Bleus' ou une location (au moins) dans le camping le camping 'La Décharge Monochrome' mais pas dans les deux.

```
SELECT nomClient, prenomClient
FROM Clients
WHERE idClient IN ((SELECT idClient
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON b.idCamping = c.idCamping
WHERE nomCamping = 'Les Flots Bleus'
UNION
SELECT idClient
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON b.idCamping = c.idCamping
WHERE nomCamping = 'La Décharge Monochrome')
MINUS
(SELECT idClient
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON b.idCamping = c.idCamping
WHERE nomCamping = 'Les Flots Bleus'
INTERSECT
SELECT idClient
FROM Locations l
JOIN Bungalows b ON l.idBungalow = b.idBungalow
JOIN Campings c ON b.idCamping = c.idCamping
WHERE nomCamping = 'La Décharge Monochrome')) ;
```