

7 MIDI'HOME CAMPING™ - DIVISIONS

R100 : le nom des bungalows qui proposent tous les services (c'est-à-dire tous les services qui sont dans la table Services).

```
SELECT nomBungalow
FROM Bungalows b
JOIN Proposer p ON b.idBungalow = p.idBungalow
GROUP BY b.idBungalow, nomBungalow
HAVING COUNT(*) = (SELECT COUNT(*)
                    FROM Services);

Ou

SELECT nomBungalow
FROM Bungalows b
WHERE NOT EXISTS (SELECT idService
                  FROM Services
                  MINUS
                  SELECT idService
                  FROM Proposer p
                  WHERE p.idBungalow = b.idBungalow);
```

R101 : le nom des bungalows qui proposent tous les services de la catégorie 'Luxe'.

```
SELECT nomBungalow
FROM Bungalows b
JOIN Proposer p ON b.idBungalow = p.idBungalow
JOIN Services s ON p.idService = s.idService
WHERE categorieService = 'Luxe'
GROUP BY b.idBungalow, nomBungalow
HAVING COUNT(*) = (SELECT COUNT(*)
                  FROM Services
                  WHERE categorieService = 'Luxe');

Ou

SELECT nomBungalow
FROM Bungalows b
WHERE NOT EXISTS (SELECT idService
                  FROM Services
                  WHERE categorieService = 'Luxe'
                  MINUS
                  SELECT idService
                  FROM Proposer p
                  WHERE p.idBungalow = b.idBungalow);
```

R102 : le nom des bungalows qui proposent tous les services proposés par le bungalow qui se nomme 'La Poubelle'.

```
SELECT nomBungalow
FROM Bungalows b
JOIN Proposer p ON b.idBungalow = p.idBungalow
WHERE idService IN (SELECT idService
                   FROM Bungalows b
                   JOIN Proposer p ON b.idBungalow = p.idBungalow
                   WHERE nomBungalow = 'La Poubelle')
GROUP BY b.idBungalow, nomBungalow
HAVING COUNT(*) = (SELECT COUNT(*)
                  FROM Bungalows b
                  JOIN Proposer p ON b.idBungalow = p.idBungalow
                  WHERE nomBungalow = 'La Poubelle');

Ou

SELECT nomBungalow
FROM Bungalows b
WHERE NOT EXISTS (SELECT idService
                  FROM Bungalows b
                  JOIN Proposer p ON b.idBungalow = p.idBungalow
                  WHERE nomBungalow = 'La Poubelle'
                  MINUS
                  SELECT idService
                  FROM Proposer p
                  WHERE p.idBungalow = b.idBungalow);
```

R103 : le nom des clients qui ont réalisé au moins une location dans toutes les villes pour lesquelles il y a des campings.

```
SELECT nomClient
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
GROUP BY cl.idClient, nomClient
HAVING COUNT(DISTINCT villeCamping) = (SELECT COUNT(DISTINCT villeCamping)
                                       FROM Campings);

Ou

SELECT nomClient
FROM Clients c
WHERE NOT EXISTS (SELECT villeCamping
                  FROM Campings
                  MINUS
                  SELECT villeCamping
                  FROM Locations l
                  JOIN Bungalows b ON l.idBungalow = b.idBungalow
                  JOIN Campings camp ON b.idCamping = camp.idCamping
                  WHERE l.idClient = c.idClient);
```

R104 : le nom des clients qui ont loué tous les bungalows loués par la cliente Agathe Zeblouse.

```
SELECT nomClient
FROM Clients c
JOIN Locations l ON c.idClient = l.idClient
WHERE idBungalow IN (SELECT idBungalow
                     FROM Locations l
                     JOIN Clients c ON l.idClient = c.idClient
                     WHERE nomClient = 'Zeblouse'
                     AND prenomClient = 'Agathe')
GROUP BY c.idClient, nomClient
HAVING COUNT(DISTINCT idBungalow) = (SELECT COUNT(DISTINCT idBungalow)
                                       FROM Locations l
                                       JOIN Clients c ON l.idClient = c.idClient
                                       WHERE nomClient = 'Zeblouse'
                                       AND prenomClient = 'Agathe');

Ou

SELECT nomClient
FROM Clients c
WHERE NOT EXISTS (SELECT idBungalow
                  FROM Locations l
                  JOIN Clients c ON l.idClient = c.idClient
                  WHERE nomClient = 'Zeblouse'
                  AND prenomClient = 'Agathe'
                  MINUS
                  SELECT idBungalow
                  FROM Locations l
                  WHERE l.idClient = c.idClient);
```

R105 : le nom et le prénom des clients qui ont sont allés exactement dans les mêmes campings que la cliente Agathe Zeblouse.

```
SELECT nomClient, prenomClient
FROM Clients cl
WHERE NOT EXISTS (SELECT idCamping
                  FROM Bungalows b
                  JOIN Locations l ON l.idBungalow = b.idBungalow
                  JOIN Clients c ON c.idClient = l.idClient
                  WHERE nomClient = 'Zeblouse' AND prenomClient = 'Agathe'
                  MINUS
                  SELECT idCamping
                  FROM Bungalows b
                  JOIN Locations l ON l.idBungalow = b.idBungalow
                  WHERE l.idClient = cl.idClient)
AND NOT EXISTS (SELECT idCamping
                FROM Bungalows b
                JOIN Locations l ON l.idBungalow = b.idBungalow
                WHERE l.idClient = cl.idClient
                MINUS
                SELECT idCamping
                FROM Bungalows b
                JOIN Locations l ON l.idBungalow = b.idBungalow
                JOIN Clients c ON c.idClient = l.idClient
                WHERE nomClient = 'Zeblouse' AND prenomClient = 'Agathe');
```

R110 : le nom des services qui sont proposés dans tous les bungalows dont la superficie est supérieure à 60 m².

```
SELECT nomService
FROM Services s
JOIN Proposer p ON s.idService = p.idService
JOIN Bungalows b ON b.idBungalow = p.idBungalow
WHERE superficieBungalow > 60
GROUP BY nomService, s.idService
HAVING COUNT(*) = (SELECT COUNT(*)
                    FROM Bungalows b
                    WHERE superficieBungalow > 60);
```

Ou

```
SELECT nomService
FROM Services s
WHERE NOT EXISTS (SELECT idBungalow
                  FROM Bungalows
                  WHERE superficieBungalow > 60
                  MINUS
                  SELECT idBungalow
                  FROM Proposer p
                  WHERE p.idService = s.idService);
```

R111 : le numéro, le nom et le prénom des clients qui n'ont jamais fait de location dans un camping de Palavas. Les clients doivent être classés par ordre lexicographique de leur nom.

```
SELECT idClient, nomClient, prenomClient
FROM Clients c
MINUS
SELECT 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 villeCamping = 'Palavas'
ORDER BY nomClient;
```

R112 : le nom des services proposés par le bungalow le plus grand du camping 'Les Flots Bleus'.

```
SELECT nomService
FROM Services s
JOIN Proposer p ON p.idService = s.idService
WHERE idBungalow IN (SELECT idBungalow
                     FROM Bungalows b
                     JOIN Campings c ON b.idCamping = c.idCamping
                     WHERE nomCamping = 'Les Flots Bleus'
                     AND superficieBungalow = (SELECT MAX(superficieBungalow)
                                                FROM Bungalows b
                                                JOIN Campings c
                                                ON b.idCamping = c.idCamping
                                                WHERE nomCamping = 'Les Flots Bleus'));
```

R113 : pour chacun des employés du camping 'La décharge Monochrome', le nom et le prénom de l'employé ainsi que le nombre de subordonnés qu'il possède.

```
SELECT e.nomEmploye, e.prenomEmploye, COUNT(sub.idEmploye) AS "NB SUBORDONNES"
FROM Employes e
JOIN Campings c ON e.idCamping = c.idCamping
LEFT OUTER JOIN Employes sub ON sub.idEmployeChef = e.idEmploye
WHERE nomCamping = 'La Décharge Monochrome'
GROUP BY e.idEmploye, e.nomEmploye, e.prenomEmploye;
```

R114 : le nom des campings où tous les bungalow ont une superficie supérieure à 50 m².

```
SELECT nomCamping
FROM Campings c
WHERE NOT EXISTS (SELECT *
                  FROM Bungalows b
                  WHERE superficieBungalow <= 50
                  AND b.idCamping = c.idCamping);
```

R115 : le nom des clients qui ont réalisé le même nombre de locations que le client Agathe Zeblouse (il n'y a qu'un seul client qui se nomme Agathe Zeblouse).

```
SELECT nomClient
FROM Clients c
JOIN Locations l ON c.idClient = l.idClient
GROUP BY c.idClient, nomClient
HAVING COUNT(*) = (SELECT COUNT(*)
                  FROM Locations l
                  JOIN Clients c ON l.idClient = c.idClient
                  WHERE nomClient = 'Zeblouse'
                  AND prenomClient = 'Agathe');
```

R116 : le nom des services qui sont proposés dans moins de cinq bungalows.

```
SELECT nomService
FROM Services s
LEFT OUTER JOIN Proposer p ON p.idService = s.idService
GROUP BY s.idService, nomService
HAVING COUNT(idBungalow) < 5;
```

R117 : le nom du camping qui a le plus d'employés.

```
SELECT nomCamping
FROM Campings c
JOIN Employes e ON e.idCamping = c.idCamping
GROUP BY c.idCamping, nomCamping
HAVING COUNT(*) = (SELECT MAX(COUNT(*))
                  FROM Employes
                  GROUP BY idCamping);
```

R118 : les bungalows qui proposent des services de toutes les catégories.

```
SELECT nomBungalow
FROM Bungalows b
JOIN Proposer p ON b.idBungalow = p.idBungalow
JOIN Services s ON p.idService = s.idService
GROUP BY b.idBungalow, nomBungalow
HAVING COUNT(DISTINCT categorieService) = (SELECT COUNT(DISTINCT categorieService)
                                           FROM Services);
```

Ou

```
SELECT nomBungalow
FROM Bungalows b
WHERE NOT EXISTS (SELECT categorieService
                  FROM Services
                  MINUS
                  SELECT categorieService
                  FROM Services s
                  JOIN Proposer p ON s.idService = p.idService
                  WHERE p.idBungalow = b.idBungalow);
```

R119 : le nom des bungalows qui proposent exactement les mêmes services que le bungalow 'La Suite Régaliennne' – DIVISION EXACTE

```
SELECT nomBungalow
FROM Bungalows b1
WHERE NOT EXISTS (SELECT idService
                  FROM Bungalows b
                  JOIN Proposer p ON b.idBungalow = p.idBungalow
                  WHERE nomBungalow = 'La Suite Régaliennne'
                  MINUS
                  SELECT idService
                  FROM Proposer p
                  WHERE p.idBungalow = b1.idBungalow)
AND NOT EXISTS (SELECT idService
                FROM Proposer p
                WHERE p.idBungalow = b1.idBungalow
                MINUS
                SELECT idService
                FROM Bungalows b
                JOIN Proposer p ON b.idBungalow = p.idBungalow
                WHERE nomBungalow = 'La Suite Régaliennne');
```