

**Question 1.**

La clé primaire de la table `country` est `code`.

La clé primaire de la table `continent` est `name`.

La clé primaire de la table `isMember` est le couple (`country`, `organization`).

**Question 2.**

L'attribut `country` est une clé étrangère de la table `encompasses`, faisant référence à la clé primaire `code` de la table `country`.

L'attribut `continent` est une clé étrangère de la table `encompasses`, faisant référence à la clé primaire `name` de la table `continent` .

**Question 3.**

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```
SELECT *
FROM country
```

---

**Question 4.**

---

```
SELECT *
FROM borders
```

---

**Question 5.**

---

```
SELECT name, capital, population
FROM country
```

---

**Question 6.**

---

```
SELECT name, area
FROM lake
```

---

**Question 7.**

---

```
SELECT DISTINCT name
FROM ethnicGroup
```

---

**Question 8.**

---

```
SELECT DISTINCT name
FROM religion
ORDER BY name
```

---

**Question 9.**

---

```
SELECT name, area
FROM lake
ORDER BY name
```

---

**Question 10.**

---

```
SELECT name, area
FROM lake
ORDER BY area DESC
```

---

**Question 11.**

---

```
SELECT
FROM city
WHERE latitude <= 0
```

---

**Question 12.**

---

```
SELECT name
FROM airport
WHERE city = "London" and country = "GB"
```

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**Question 13.**

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```
SELECT name, city, gmtOffset
FROM airport
WHERE (gmtOffset >=-2 AND gmtOffset <=2)
ORDER BY gmtOffset, city, name
```

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**Question 14.**

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```
SELECT continent, name
FROM country
JOIN encompasses
ON code = country
ORDER BY continent, name
```

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**Question 15.**

---

```
SELECT DISTINCT name
FROM country
JOIN geo_island
ON code = country
ORDER BY name
```

---

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**Question 16.**

---

```
SELECT a.name, c.name
FROM country AS c
JOIN airport AS a
ON c.code = a.country
ORDER BY c.name, a.name
```

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**Question 17.**

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```
SELECT a.name, a.city
FROM country AS c
JOIN airport AS a ON c.code = a.country
WHERE c.name = "France"
ORDER BY a.city
```

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**Question 18.**

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```
SELECT ci.name
FROM country AS c
JOIN city AS ci ON c.code = ci.country
WHERE c.name = "Vietnam"
ORDER BY ci.name
```

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**Question 19.**

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```
SELECT DISTINCT m.name, c.name, height
FROM mountain AS m
JOIN geo_mountain AS gm ON m.name = gm.mountain
JOIN country AS c ON c.code = gm.country
WHERE height >= 5800
ORDER BY height DESC
```

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**Question 20.**

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```
SELECT c1.name, c2.name
FROM country AS c1
JOIN borders ON c1.code = Country1
JOIN country AS c2 ON c2.code = Country2
```

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**Question 21.**

---

```
SELECT COUNT(name) AS nb_villes
FROM city
```

---

---

**Question 22.**

---

```
SELECT COUNT(*)
FROM borders
```

---

---

**Question 23.**

---

```
SELECT COUNT(DISTINCT c.code) AS nb_pays_avec_iles
FROM country AS c
JOIN geo_island AS gi ON c.code = gi.country
```

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**Question 24.**

---

```
SELECT max(area) AS superficie_max
FROM province
```

---

**Question 25.**


---

```
SELECT continent, SUM(population) AS nb_habitants
FROM country AS c
JOIN encompasses AS e ON c.code = e.country
GROUP BY continent
```

---

**Question 26.**


---

```
SELECT c.name, COUNT(mountain) AS nb_sommets
FROM country AS c
JOIN geo_mountain AS gm ON c.code = gm.country
GROUP BY c.code
ORDER BY c.name
```

---

**Question 27.**


---

```
SELECT c.name, COUNT(mountain) AS nb_sommets
FROM country AS c
JOIN geo_mountain AS gm ON c.code = gm.country
GROUP BY c.code
HAVING nb_sommets > 9
```

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**Question 28.**


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```
SELECT c.name, COUNT(s.language) AS nb_langues
FROM country AS c
JOIN spoken AS s ON c.code = s.country
GROUP BY c.name
HAVING nb_langues > 10
```

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**Question 29.**


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```
SELECT name, area
FROM province
WHERE area = (
    SELECT max(area) AS superficie_max
    FROM province
)
```

---

**Question 30.**


---

```
SELECT c.name
FROM country AS c
JOIN airport AS a
ON c.code = a.country
WHERE elevation = (
    SELECT MIN(elevation)
    FROM airport
)
```

---

**Question 31.**


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```
SELECT *
FROM (
    SELECT name, count(*) AS nb
    FROM isMember
    JOIN country ON code = country
    GROUP BY country
) AS nb_orga_par_pays
WHERE nb = (
    SELECT max(nb2)
    FROM (
        SELECT country, count(*) AS nb2
        FROM isMember
        GROUP BY country
    ) AS nb_orga_par_pays2
)
```

---

**Question 32.**


---

```
SELECT c.name, elevation
FROM airport AS a
JOIN country AS c ON code = country
ORDER BY elevation DESC
LIMIT 3
```

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**Question 33.**

---

```
SELECT name, area
FROM province
WHERE area = (
    SELECT area
    FROM province
    ORDER BY area DESC
    LIMIT 1
)
```

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**Question 34.**

---

```
SELECT name, nb
FROM country AS c
JOIN (
    SELECT country, COUNT(*) AS nb
    FROM isMember
    GROUP BY country
    ORDER BY nb DESC
    LIMIT 1
) AS pays_max
ON c.code = pays_max.Country
```

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**Question 35.**

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```
SELECT continent, count(*) AS nb_volcans
FROM mountain AS m
JOIN geo_mountain AS gm ON m.name = mountain
JOIN encompasses AS e ON e.country = gm.country
WHERE type = "volcano"
GROUP BY continent
```

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