Bases de données

```
mysql> SELECT name FROM circuits WHERE location = 'Barcelona';
+---------------------+
| name                |
+---------------------+
| Montjuïc            |
| Circuit de Pedralbes |
+---------------------+
2 rows in set (0,00 sec)
```

```
mysql> SELECT name FROM constructors WHERE nationality = 'Japanese';
+-------------+
| name        |
+-------------+
| Toyota      |
| Super Aguri |
| Honda       |
| Kojima      |
| Maki        |
+-------------+
5 rows in set (0,00 sec)
```

```
mysql> SELECT name FROM circuits WHERE country='France' ORDER BY lat DESC;
+------------------------------+
| name                         |
+------------------------------+
| Rouen-Les-Essarts            |
| Reims-Gueux                  |
| Le Mans                      |
| Dijon-Prenois                |
| Circuit de Nevers Magny-Cours |
| Charade Circuit              |
| Circuit Paul Ricard          |
+------------------------------+
7 rows in set (0,00 sec)
```

```
mysql> SELECT country, count(*) AS nb FROM circuits GROUP BY country HAVING nb > 1
    -> ORDER BY nb DESC;
+--------------+----+
| country      | nb |
+--------------+----+
| USA          | 11 |
| France       |  7 |
| Spain        |  6 |
| UK           |  4 |
| Italy        |  4 |
| Portugal     |  4 |
| Canada       |  3 |
| Germany      |  3 |
| Belgium      |  3 |
| Japan        |  3 |
| Australia    |  2 |
| Brazil       |  2 |
| South Africa |  2 |
| Austria      |  2 |
+--------------+----+
14 rows in set (0,00 sec)
```

```
mysql> SELECT forename, surname, dob FROM drivers WHERE dob=(SELECT max(dob) FROM drivers);
+----------+---------+------------+
| forename | surname | dob        |
+----------+---------+------------+
| Yuki     | Tsunoda | 2000-05-11 |
+----------+---------+------------+
1 row in set (0,01 sec)
```

```
mysql> SELECT round, name FROM races WHERE year = 1966 ORDER BY round ASC;
+-------+-------------------------+
| round | name                    |
+-------+-------------------------+
|     1 | Monaco Grand Prix       |
|     2 | Belgian Grand Prix      |
|     3 | French Grand Prix       |
|     4 | British Grand Prix      |
|     5 | Dutch Grand Prix        |
|     6 | German Grand Prix       |
|     7 | Italian Grand Prix      |
|     8 | United States Grand Prix |
|     9 | Mexican Grand Prix      |
+-------+-------------------------+
9 rows in set (0,01 sec)
```

```
mysql> SELECT count(*) FROM results NATURAL JOIN drivers WHERE forename = 'Ayrton' and
    -> surname = 'Senna' and grid = 1;
+----------+
| count(*) |
+----------+
|       65 |
+----------+
1 row in set (0,06 sec)
```

```
mysql> SELECT sum(points) FROM results NATURAL JOIN races NATURAL JOIN drivers
    -> WHERE forename = 'Ayrton' and surname = 'Senna' and year = 1985;
+-------------+
| sum(points) |
+-------------+
|          38 |
+-------------+
1 row in set (0,22 sec)
```

```
mysql> SELECT circuits.name FROM circuits JOIN races ON circuits.circuitId = races.circuitId
    -> WHERE races.name = 'French Grand Prix' and year = 1967;
+----------+
| name     |
+----------+
| Le Mans  |
+----------+
1 row in set (0,01 sec)
```

```
mysql> SELECT circuits.name, count(*) AS nb FROM circuits JOIN races
    -> ON circuits.circuitId = races.circuitId WHERE races.name = 'British Grand Prix'
    -> GROUP BY circuits.name ORDER BY nb DESC;
+--------------------+----+
| name               | nb |
+--------------------+----+
| Silverstone Circuit | 56 |
| Brands Hatch       | 12 |
| Aintree            |  5 |
+--------------------+----+
3 rows in set (0,00 sec)
```

```
mysql> SELECT COUNT(*) / (SELECT COUNT(*) FROM races) * 100 as pourcentage
    -> FROM results WHERE grid = 1 AND position = 1;
+------------+
| pourcentage |
+------------+
|    42.2614 |
+------------+
1 row in set (0,02 sec)
```

```
mysql> SELECT name FROM constructors WHERE constructorId IN
    -> (SELECT constructorId FROM results NATURAL JOIN drivers
    -> WHERE forename = 'Alain' and surname = 'Prost');
+----------+
| name     |
+----------+
| McLaren  |
| Williams |
| Renault  |
| Ferrari  |
+----------+
4 rows in set (0,22 sec)
```

```
mysql> SELECT name FROM races WHERE raceId in (SELECT raceId FROM results NATURAL JOIN drivers
    -> WHERE forename = 'Didier' and surname = 'Pironi' and position = 1);
+-----------------------+
| name                  |
+-----------------------+
| San Marino Grand Prix |
| Dutch Grand Prix      |
| Belgian Grand Prix    |
+-----------------------+
3 rows in set (0,06 sec)
```

```
mysql> SELECT forename, surname, name, year
    -> FROM drivers NATURAL JOIN results NATURAL JOIN races
    -> WHERE position = 1 AND grid = (SELECT MAX(grid) FROM results WHERE position = 1);
+----------+---------+-----------------------------+------+
| forename | surname | name                        | year |
+----------+---------+-----------------------------+------+
| John     | Watson  | United States Grand Prix West | 1983 |
+----------+---------+-----------------------------+------+
1 row in set (0,02 sec)
```

```
mysql> SELECT forename, surname, name, date FROM drivers NATURAL JOIN races
    -> NATURAL JOIN results WHERE position = 1 and month(date) = month (dob)
    -> and day(date) = day(dob);
+----------+---------+--------------------+------------+
| forename | surname | name               | date       |
+----------+---------+--------------------+------------+
| Jean     | Alesi   | Canadian Grand Prix | 1995-06-11 |
| James    | Hunt    | Dutch Grand Prix    | 1976-08-29 |
+----------+---------+--------------------+------------+
2 rows in set (0,06 sec)
```

```
mysql> SELECT forename, surname, sum(points) AS total FROM results NATURAL JOIN drivers
    -> NATURAL JOIN races WHERE year = 1976 GROUP BY driverId ORDER BY total DESC LIMIT 3;
+----------+-----------+-------+
| forename | surname   | total |
+----------+-----------+-------+
| James    | Hunt      |    69 |
| Niki     | Lauda     |    68 |
| Jody     | Scheckter |    49 |
+----------+-----------+-------+
3 rows in set (0,23 sec)
```

```
mysql> SELECT constructors.name, sum(points) AS total FROM results NATURAL JOIN races
    -> JOIN constructors ON results.constructorId = constructors.constructorId
    -> WHERE year = 2001 GROUP BY constructors.constructorId ORDER BY total DESC;
+----------+-------+
| name     | total |
+----------+-------+
| Ferrari  |   179 |
| McLaren  |   102 |
| Williams |    80 |
| Sauber   |    21 |
| Jordan   |    19 |
| BAR      |    17 |
| Benetton |    10 |
| Jaguar   |     9 |
| Prost    |     4 |
| Arrows   |     1 |
| Minardi  |     0 |
+----------+-------+
11 rows in set (0,21 sec)
```

```
mysql> SELECT d1.surname, d2.surname, d1.dob FROM drivers AS d1 JOIN drivers AS d2
    -> ON d1.dob = d2.dob WHERE d1.surname < d2.surname ORDER BY d1.dob ASC
+------------+------------+------------+
| surname    | surname    | dob        |
+------------+------------+------------+
| Crawford   | Fry        | 1915-10-26 |
| de Terra   | Pilette    | 1918-10-06 |
| Bonomi     | Green      | 1919-09-30 |
| Hansgen    | Klenk      | 1919-10-28 |
| Crook      | Faulkner   | 1920-02-16 |
| Bucci      | Holmes     | 1920-09-04 |
| Nazaruk    | Scarlatti  | 1921-10-02 |
| Bueb       | Rigsby     | 1923-06-06 |
| Bryan      | Hartley    | 1926-01-28 |
| Blanchard  | Slotemaker | 1929-06-13 |
```

```
| Clapham     | Halford    | 1931-05-18 |
| Said        | Taramazzo  | 1932-05-05 |
| Cordts      | Hall       | 1935-07-23 |
| Brack       | Solana     | 1935-12-26 |
| Beltoise    | Hutchison  | 1937-04-26 |
| Courage     | Widdows    | 1942-05-27 |
| Fittipaldi  | Zorzi      | 1946-12-12 |
| Brancatelli | Villeneuve | 1950-01-18 |
+-------------+------------+------------+
18 rows in set (0,01 sec)
```