

# 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 date, circuits.name FROM races JOIN circuits
-> ON races.circuitId = circuits.circuitId
-> WHERE races.name = 'Brazilian Grand Prix' ORDER BY date ASC LIMIT 1;
```

```
+-----+-----+
| date      | name                               |
+-----+-----+
| 1973-02-11 | Autódromo José Carlos Pace       |
+-----+-----+
```

1 row in set (0,01 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)