

1 - Listar las oficinas con la cantidad de empleados que trabajan en cada una de ellas.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'classicmodels'. The 'employees' table is selected. A SQL query is entered in the main text area:

```
1 SELECT officeCode, COUNT(employeeNumber)
2 FROM employees
3 GROUP BY officeCode;
4
```

Below the query editor, there are buttons for 'Limpiar', 'Formato', and 'Obtener consulta almacenada automáticamente'. There are also checkboxes for 'Vincular parámetros', 'Guardar esta consulta en favoritos', 'Mostrar esta consulta otra vez', 'Mantener la caja de texto con la consulta', and 'Deshacer («rollback») al finalizar'. A checkbox for 'Habilite la revisión de las claves foráneas' is checked.

The results of the query are displayed in a table with 7 rows and 2 columns: 'officeCode' and 'COUNT(employeeNumber)'. The data is as follows:

officeCode	COUNT(employeeNumber)
1	6
2	2
3	2
4	5
5	2
6	4
7	2

At the bottom, there are options for 'Operaciones sobre los resultados de la consulta', including 'Imprimir', 'Copiar al portapapeles', 'Exportar', 'Mostrar gráfico', and 'Crear vista'.

## 2 - Listar los clientes que compran a los empleados de las oficinas de USA.

The screenshot shows the phpMyAdmin interface with a SQL query executed in the 'classicmodels' database. The query is as follows:

```
1 SELECT customers.customerName
2 FROM customers
3 INNER JOIN employees ON customers.salesRepEmployeeNumber = employees.employeeNumber
4 INNER JOIN offices ON employees.officeCode = offices.officeCode
5 WHERE offices.country = 'USA';
6
```

The results show a list of customer names for the USA office. The first few are:

- Mini Gifts Distributors Ltd.
- Mini Wheels Co.
- Technics Stores Inc.
- Corporate Gift Ideas Co.
- The Sharp Gifts Warehouse
- Signal Collectibles Ltd.
- Signal Gift Stores
- Toys4GrownUps.com
- Boards & Toys Co.
- Collectable Mini Designs Co.
- Men 'R' US Retailers, Ltd.
- West Coast Collectables Co.
- Cambridge Collectables Co.
- Online Mini Collectables
- Mini Creations Ltd.
- Classic Gift Ideas, Inc.
- Collectables For Less Inc.
- Diecast Collectables
- Diecast Classics Inc.
- Auto-Moto Classics Inc.
- Marta's Replicas Co.
- Gifts4AllAges.com
- Online Diecast Creations Co.
- FunGiftIdeas.com
- Muscle Machine Inc.

## 3 - Listar a los empleados por la cantidad de clientes que atienden.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'classicmodels'. The 'customers' table is selected. A SQL query is entered in the query editor:

```
1 SELECT salesRepEmployeeNumber, COUNT(customerNumber) as customerCount
2 FROM customers
3 GROUP BY salesRepEmployeeNumber;
4
```

The query is executed, and the results are displayed in a table with two columns: 'salesRepEmployeeNumber' and 'customerCount'. The results show the number of customers each sales representative is responsible for.

salesRepEmployeeNumber	customerCount
NULL	22
1165	6
1166	6
1188	6
1216	6
1286	7
1323	8
1337	6
1370	7
1401	10
1501	8
1504	9
1611	5
1612	5
1621	5
1702	6

## 4 - El nombre de los clientes que han hecho un pago por debajo de la media de pagos.

The screenshot shows the phpMyAdmin interface for a database named 'classicmodels'. The 'customers' table is selected. A SQL query is entered in the query editor:

```
1 SELECT customerName
2 FROM customers
3 INNER JOIN payments ON customers.customerNumber = payments.customerNumber
4 WHERE payments.amount < (SELECT AVG(amount) FROM payments);
5
```

The query is executed, and the results are displayed in a table with 24 rows. The first few rows are:

customerName
Atelier graphique
Atelier graphique
Atelier graphique
Signal Gift Stores
Australian Collectors, Co.
La Rochelle Gifts
Baane Mini Imports
Baane Mini Imports
Mini Gifts Distributors Ltd.
Blauer See Auto, Co.
Blauer See Auto, Co.
Blauer See Auto, Co.
Mini Wheels Co.
Mini Wheels Co.
Mini Wheels Co.
Land of Toys Inc.
Euro+ Shopping Channel
Euro+ Shopping Channel
Vovo Model Replicas, Co
Danish Wholesale Imports
Danish Wholesale Imports
Danish Wholesale Imports
Dragon Souvenirs, Ltd.
Console Souvenirs, Ltd.

## 5 - El nombre del producto (products.productName) y la descripción del mismo (productlines.textDescription).

The screenshot shows the phpMyAdmin interface with a SQL query executed. The query is:

```
1 SELECT products.productName, productlines.textDescription
2 FROM products
3 INNER JOIN productlines ON products.productline = productlines.productline;
4
```

The results are displayed in a table with two columns: **productName** and **textDescription**. The table contains 24 rows of data, showing various car models and their descriptions.

productName	textDescription
1952 Alpine Renault 1300	Attention car enthusiasts: Make your wildest car o...
1972 Alfa Romeo GTA	Attention car enthusiasts: Make your wildest car o...
1962 Lancia Delta 16V	Attention car enthusiasts: Make your wildest car o...
1968 Ford Mustang	Attention car enthusiasts: Make your wildest car o...
2001 Ferrari Enzo	Attention car enthusiasts: Make your wildest car o...
1969 Conair Monza	Attention car enthusiasts: Make your wildest car o...
1968 Dodge Charger	Attention car enthusiasts: Make your wildest car o...
1969 Ford Falcon	Attention car enthusiasts: Make your wildest car o...
1970 Plymouth Hemi Cuda	Attention car enthusiasts: Make your wildest car o...
1969 Dodge Charger	Attention car enthusiasts: Make your wildest car o...
1993 Mazda RX-7	Attention car enthusiasts: Make your wildest car o...
1965 Aston Martin DB5	Attention car enthusiasts: Make your wildest car o...
1948 Porsche 356-A Roadster	Attention car enthusiasts: Make your wildest car o...
1995 Honda Civic	Attention car enthusiasts: Make your wildest car o...
1998 Chrysler Plymouth Prowler	Attention car enthusiasts: Make your wildest car o...
1999 Indy 500 Monte Carlo SS	Attention car enthusiasts: Make your wildest car o...
1992 Ferrari 360 Spider red	Attention car enthusiasts: Make your wildest car o...
1985 Toyota Supra	Attention car enthusiasts: Make your wildest car o...
1969 Dodge Super Bee	Attention car enthusiasts: Make your wildest car o...
1976 Ford Gran Torino	Attention car enthusiasts: Make your wildest car o...
1948 Porsche Type 356 Roadster	Attention car enthusiasts: Make your wildest car o...
1970 Triumph Spitfire	Attention car enthusiasts: Make your wildest car o...
1957 Corvette Convertible	Attention car enthusiasts: Make your wildest car o...
1957 Ford Thunderbird	Attention car enthusiasts: Make your wildest car o...
1970 Chevy Chevelle SS 454	Attention car enthusiasts: Make your wildest car o...
Console	

## 6 - Los nombres de los clientes han comprado una '1969 Harley Davidson Ultimate Chopper'.

The screenshot shows the phpMyAdmin interface with the following components:

- Top Bar:** phpMyAdmin logo, server information (Servidor: 127.0.0.1 / Base de datos: classicmodels / Tabla: customers), and navigation tabs (Examinar, Estructura, SQL, Buscar, Insertar, Exportar, Importar, Privilegios, Operaciones, Seguimiento, Disparadores).
- Left Sidebar:** Database structure tree showing databases like Nueva, animalworld, classicmodels, and tables like customers, employees, offices, etc.
- SQL Query Editor:** A text area containing a SQL query:

```
1 SELECT customers.customerName
2 FROM customers
3 INNER JOIN orders ON customers.customerNumber = orders.customerNumber
4 INNER JOIN orderdetails ON orders.orderNumber = orderdetails.orderNumber
5 INNER JOIN products ON orderdetails.productCode = products.productCode
6 WHERE products.productName = '1969 Harley Davidson Ultimate Chopper';
```

Buttons below include "Limpiar", "Formato", "Obtener consulta almacenada automáticamente", "Vincular parámetros", "Guardar esta consulta en favoritos", "Delimitador", "Mostrar esta consulta otra vez", "Mantener la caja de texto con la consulta", "Deshacer (+rollback+) al finalizar", "Habilite la revisión de las claves foráneas", and "Continuar".
- Execution Results:** A green bar indicates "Mostrando filas 0 - 27 (total de 28, La consulta tardó 0,0026 segundos.)". Below it, the full SQL query is repeated. A warning message states: "La selección actual no contiene una columna única. La edición de la grilla y los enlaces de copiado, eliminación y edición no están disponibles." Below the warning, a table of results is shown with columns "Mostrar todo", "Número de filas: 500", "Filtrar filas: (Buscar en esta tabla)", and "Ordenar según la clave: Ninguna".
- Table Results:** A table with one column, "customerName", listing 28 customer names such as "Australian Collectors, Co.", "La Rochelle Gifts", "Baane Mini Imports", etc.
- Footer:** "Operaciones sobre los resultados de la consulta" and a "Consola" tab.

## 7 - ¿Qué vendedores han realizado ventas?

phpMyAdmin - Servidor: 127.0.0.1 / Base de datos: classicmodels / Tabla: employees

Examinar Estructura SQL Buscar Insertar Exportar Importar Privilegios Operaciones Seguimiento Disparadores

Ejecutar la(s) consulta(s) SQL en la tabla classicmodels.customers:

```
1 SELECT employees.lastName, employees.firstName
2 FROM employees
3 WHERE employeeNumber IN (SELECT DISTINCT customers.salesRepEmployeeNumber FROM customers);
4
```

customerNumber  
customerName  
contactLastName  
contactFirstName  
phone  
addressLine1  
addressLine2  
city  
state  
postalCode  
country  
salesRepEmployeeNumb  
creditLimit

SELECT \* SELECT INSERT UPDATE DELETE Limpiar Formato Obtener consulta almacenada automáticamente

☐ Vincular parámetros

Guardar esta consulta en favoritos:

Delimitador: ; ☐ Mostrar esta consulta otra vez ☐ Mantener la caja de texto con la consulta ☐ Deshacer (←rollback) al finalizar

☒ Habilitar la revisión de las claves foráneas Continuar

Ocultar ventana de consultas SQL

✓ Mostrando filas 0 - 14 (total de 15, La consulta tardó 0,0003 segundos.)

```
SELECT employees.lastName, employees.firstName FROM employees WHERE employeeNumber IN (SELECT DISTINCT customers.salesRepEmployeeNumber FROM customers);
```

☐ Perfilando  
[ Editar en línea ] [ Editar ] [ Explicar SQL ] [ Crear código PHP ] [ Actualizar ]

☐ Mostrar todo | Número de filas: 25 | Filtrar filas: Buscar en esta tabla | Ordenar según la clave: Ninguna

Opciones extra

	lastName	firstName
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Jennings	Leslie
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Thompson	Leslie
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Firrelli	Julie
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Patterson	Steve
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Tseng	Foon Yue
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Vanauf	George
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Bondur	Loui
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Hernandez	Gerard
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Castillo	Pamela
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Bott	Larry
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Jones	Barry
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Fixter	Andy
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Marsh	Peter
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Nishi	Mami
<input type="checkbox"/> Editar <input type="checkbox"/> Copiar <input type="checkbox"/> Borrar	Gerard	Martin

☐ Seleccionar todo Para los elementos que están marcados: Editar Copiar Borrar Exportar

☐ Seleccionar todo | Número de filas: 25 | Filtrar filas: Buscar en esta tabla | Ordenar según la clave: Ninguna

Consola

## 8 - El nombre del producto más vendido de 2004.

The screenshot shows the phpMyAdmin interface for a database named 'classicmodels'. The 'products' table is selected. The SQL query editor contains the following query:

```
1 SELECT products.productName
2 FROM products
3 INNER JOIN orderdetails ON products.productCode = orderdetails.productCode
4 INNER JOIN orders ON orderdetails.orderNumber = orders.orderNumber
5 WHERE YEAR(orders.orderDate) = 2004
6 GROUP BY products.productCode
7 ORDER BY SUM(orderdetails.quantityOrdered) DESC
8 LIMIT 1;
9
```

The query is executed, and the results show one row:

productName
1992 Ferrari 360 Spider red

The interface also shows a list of tables on the left, including 'animalworld', 'classicmodels', 'customers', 'employees', 'offices', 'orderdetails', 'orders', 'payments', 'productlines', and 'products'. The 'products' table is highlighted. The 'Opciones extra' section is visible, showing the 'productName' column and the value '1992 Ferrari 360 Spider red'.



## 9 - Listar las 2 oficinas con más empleados.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'classicmodels'. The 'employees' table is selected. A SQL query is entered in the main text area:

```
1 SELECT officeCode, COUNT(employeeNumber)
2 FROM employees
3 GROUP BY officeCode
4 ORDER BY COUNT(employeeNumber) DESC
5 LIMIT 2;
6
```

The query is executed, and the results are displayed in a table with 2 rows:

officeCode	COUNT(employeeNumber)
1	6
4	5

The interface also shows a sidebar with a tree view of the database structure, including tables like 'animalworld', 'classicmodels', 'customers', 'employees', 'offices', 'orderdetails', 'orders', 'payments', 'productlines', 'products', 'information schema', 'mysql', 'performance\_schema', 'phpmyadmin', 'test', and 'videoclub'. The 'employees' table is currently selected.

Below the query editor, there are options to save the query as a favorite, a checkbox to 'Vincular parámetros', and a checkbox to 'Habilitar la revisión de las claves foráneas'. The 'Continuar' button is visible.

At the bottom, there is a section for 'Operaciones sobre los resultados de la consulta' with buttons for 'Imprimir', 'Copiar al portapapeles', 'Exportar', 'Mostrar gráfico', and 'Crear vista'. There is also a section for 'Guardar esta consulta en favoritos' with a label and a checkbox to 'Permitir que todo usuario pueda acceder a este favorito'.

## 10 - Listar Los empleados con su correspondiente gerente (reportsTo)

phpMyAdmin - Servidor: 127.0.0.1 / Base de datos: classicmodels / Tabla: products

Examinar Estructura SQL Buscar Insertar Exportar Importar Privilegios Operaciones Seguimiento Disparadores

Ejecutar la(s) consulta(s) SQL en la tabla classicmodels.products:

```

1 SELECT employees.lastName AS EmployeeLastName, employees.firstName AS EmployeeFirstName, managers.lastName AS
   ManagerLastName, managers.firstName AS ManagerFirstName
2 FROM employees
3 LEFT JOIN employees AS managers ON employees.reportsTo = managers.employeeNumber;

```

SELECT \* SELECT INSERT UPDATE DELETE Limpiar Formato Obtener consulta almacenada automáticamente

☐ Vincular parámetros

Guardar esta consulta en favoritos:

Delimitador: ; ☐ Mostrar esta consulta otra vez ☐ Mantener la caja de texto con la consulta ☐ Deshacer («rollback») al finalizar

☒ Habilite la revisión de las claves foráneas Continuar

Ocultar ventana de consultas SQL

⚠ La selección actual no contiene una columna única. La edición de la grilla y los enlaces de copiado, eliminación y edición no están disponibles.

✓ Mostrando filas 0 - 22 (total de 23, la consulta tardó 0,0002 segundos.)

```

SELECT employees.lastName AS EmployeeLastName, employees.firstName AS EmployeeFirstName, managers.lastName AS ManagerLastName, managers.firstName AS
   ManagerFirstName FROM employees LEFT JOIN employees AS managers ON employees.reportsTo = managers.employeeNumber;

```

☐ Perfilando  
[\[ Editar en línea \]](#) [\[ Editar \]](#) [\[ Explicar SQL \]](#) [\[ Crear código PHP \]](#) [\[ Actualizar \]](#)

☐ Mostrar todo | Número de filas: 25 | Filtrar filas: Buscar en esta tabla | Ordenar según la clave: Ninguna

Opciones extra

EmployeeLastName	EmployeeFirstName	ManagerLastName	ManagerFirstName
Murphy	Diane	NULL	NULL
Patterson	Mary	Murphy	Diane
Firrelli	Jeff	Murphy	Diane
Patterson	William	Patterson	Mary
Bondur	Gerard	Patterson	Mary
Bow	Anthony	Patterson	Mary
Jennings	Leslie	Bow	Anthony
Thompson	Leslie	Bow	Anthony
Firrelli	Julie	Bow	Anthony
Patterson	Steve	Bow	Anthony
Iseng	Foon Yue	Bow	Anthony
Vanauf	George	Bow	Anthony
Bondur	Loui	Bondur	Gerard
Hernandez	Gerard	Bondur	Gerard
Castillo	Pamela	Bondur	Gerard
Bott	Larry	Bondur	Gerard
Jones	Barry	Bondur	Gerard
Fixter	Andy	Patterson	William
Marsh	Peter	Patterson	William
King	Tom	Patterson	William
Nishi	Mami	Patterson	Mary
Consola	Yoshimi	Nishi	Mami