

## TAREA 43- BASES DE DATOS SQL

En esta tarea se propone jugar un rato con la plataforma del siguiente enlace:

<https://sqlpd.com>

Se trata de resolver las diferentes pruebas que se plantean de forma que se vaya cogiendo soltura manejando bases de datos relacionales.

A continuación se presentan los comandos utilizados para resolver cada una de las pruebas propuestas.

```
SELECT *
```

```
FROM Suscribers;
```

Devuelve Nombre de Usuario, Nombre real, Contraseña, Fecha de suscripción, Dirección y Número de compra.

La base de datos ha cambiado al enviar la solución, y la petición de resolución de problema es diferente también, de modo que el comando empleado es el siguiente:

The screenshot shows the SQLPD web interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the query: `SELECT Username, Name FROM members; |`. Below the query editor, there is an 'Execute' button. The Results section is divided into three tabs: Brief, Table, and Filters & Values. The Table tab is active, showing a table with columns: Username, Name, HashedPassword, JoinedOn, MailingAddress, and NumberOfComments. The table has one row of data.

Username	Name	HashedPassword	JoinedOn	MailingAddress	NumberOfComments
White hat hacker	has sent SQLPD	exposed members'	details of a shady	site connected to various persons of	interest. Please submit all members

Lo que hace es recoger los nombres de usuario y nombres reales de la base de datos.

The screenshot shows the TheEgg SQL interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the following query:

```
SELECT EmailAddress, PassChangeCount, GivenName
FROM mailing_list; |
```

Below the query editor, there is an "Execute" button. Below that, there are three panels: Brief, Table, and Keywords. The Brief panel contains the following text:

A mailing list of an illegal online service was sent to the SQLPD hot-line. Please submit all entries email addresses, number of password changes and given names' details.

The Table panel shows the query structure with buttons for SELECT, FROM, WHERE, GROUP BY, HAVING, and ORDER BY. The Keywords panel shows the table `mailing_list` with columns: GivenName, FamilyName, EmailAddress, Joined, and PassChangeCount.

Recoge las direcciones de email, la cantidad de veces que se ha cambiado una contraseña y los nombres dados de la base de datos de lista de direcciones.

The screenshot shows the TheEgg SQL interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the following query:

```
SELECT DISTINCT Surname
FROM users; |
```

Below the query editor, there is an "Execute" button. Below that, there are three panels: Brief, Table, and Keywords. The Brief panel contains the following text:

An illegal site's servers were seized in a recent operation. Please submit all users surnames' details. Please make sure there are no duplicates.

The Table panel shows the query structure with buttons for SELECT, FROM, WHERE, GROUP BY, HAVING, and ORDER BY. The Keywords panel shows the table `users` with columns: GivenName, Surname, Email, AccessTime, and Posts.

Se extraen los Apellidos que NO se repiten de la base de datos.

The screenshot shows the TheEgg SQL interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the following query:

```
SELECT * |  
FROM users  
ORDER BY FirstName ASC;
```

Below the query editor, there is an "Execute" button. To the right of the query editor, there are three sub-tabs: Table, Keywords, and Filters & Values. The Table tab is active, showing a visual representation of the query:

- SELECT**: A button.
- FROM**: A button.
- WHERE**: A button.
- GROUP BY**: A button.
- HAVING**: A button.
- ORDER BY**: A button.

On the right side of the Table tab, there is a table structure for the 'users' table:

*	users	U
	FirstName	
	LastName	
	Email	
	AccessTime	
	Posts	

Below the query editor, there is a "Brief" section with the following text:

An illegal site's servers were seized in a recent operation. Please submit all users' details sorted by first names in ascending order.

Se extraen la base de datos completa, ordenada de forma ASCENDENTE usando los nombres de los usuarios.

The screenshot shows the TheEgg SQL interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the following query:

```
SELECT *  
FROM mailing_list  
ORDER BY EmailAddress DESC;
```

Below the query editor, there is an "Execute" button. To the right of the query editor, there are three sub-tabs: Table, Keywords, and Filters & Values. The Keywords tab is active, showing a visual representation of the query:

- DISTINCT**: A button.
- LIMIT**: A button.
- ASC**: A button.
- DESC**: A button.

Below the query editor, there is a "Brief" section with the following text:

A mailing list of an illegal online service was sent to the SQLPD hot-line. Please submit all entries' details sorted by email addresses in descending order.

Se extraen los datos de forma DESCENDENTE usando la columna de emails.

The screenshot shows the TheEgg SQL interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the following query:

```
SELECT DISTINCT JoinDate, FirstName
FROM mailing_list
ORDER BY FirstName DESC; |
```

Below the query editor, there is an "Execute" button. Underneath, there are three panels: Brief, Table, and Keywords. The Brief panel contains the following text:

A mailing list of an illegal online service was sent to the SQLPD hot-line. Please submit all entries join dates and first names' details sorted by first names in descending order. Please make sure there are no duplicates.

The Keywords panel contains buttons for DISTINCT, LIMIT, ASC, and DESC.

Seleccionar las columnas de Fechas y Nombres, sin que se repita ninguno de ellos, ordenado descendientemente a través de los Nombres principales.

The screenshot shows the TheEgg SQL interface. At the top, there are tabs: Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying the following query:

```
SELECT Username, HashedPassword
FROM members
ORDER BY Username DESC, HashedPassword ASC; |
```

Below the query editor, there is an "Execute" button. Underneath, there are three panels: Brief, Table, and Keywords. The Brief panel contains the following text:

White hat hacker has sent SQLPD exposed members' details of a shady site connected to various persons of interest. Please submit all members usernames and hashed passwords' details sorted by usernames in descending order and then by hashed passwords in ascending order.

The Keywords panel contains buttons for DISTINCT, LIMIT, ASC, and DESC.

Seleccionar las columnas de Nombres de usuario y Contraseñas, siendo la primera ordenada descendientemente y la segunda ascendientemente.

The screenshot shows the SQL editor in TheEgg. The top navigation bar includes 'Brief', 'SQL' (active), 'Results', 'Guide', and 'Profile'. The SQL editor contains the following query:

```
SELECT *
FROM users
ORDER BY EmailAddress DESC, Downloads ASC
LIMIT 10; |
```

Below the editor is an 'Execute' button. The bottom section is divided into three tabs: 'Brief', 'Table', and 'Keywords'. The 'Brief' tab contains a text box with the following description:

An illegal site's servers were seized in a recent operation. Please submit the top 10 users' details when sorted by email addresses in descending order and then by number of downloads in descending order.

The 'Table' tab shows a visual representation of the query. It includes buttons for 'SELECT', 'FROM', 'WHERE', 'GROUP BY', 'HAVING', and 'ORDER BY'. To the right, a table structure is shown with columns: '\*' (selected), 'users', and 'U'. The 'users' column lists the following fields: 'GivenName', 'FamilyName', 'EmailAddress', 'LastAccess', and 'Downloads'.

Seleccionar todos los datos de los usuarios ordenando de forma descendente según emails y de forma ascendente según descargas. Solamente se muestran los 10 primeros.

The screenshot shows the SQL editor in TheEgg. The top navigation bar includes 'Brief', 'SQL' (active), 'Results', 'Guide', and 'Profile'. The SQL editor contains the following query:

```
SELECT DISTINCT Username, Purchases, SubscribedSince
FROM subscribers
ORDER BY Username DESC, SubscribedSince DESC
LIMIT 20; |
```

Below the editor is an 'Execute' button. The bottom section is divided into three tabs: 'Brief', 'Table', and 'Keywords'. The 'Brief' tab contains a text box with the following description:

A hacked site subscribers' details have surfaced on a darknet forum. Please submit the top 20 subscribers usernames, number of purchases and subscribed since dates' details when sorted by usernames in descending order and then by subscribed since dates in descending order. Please make sure there are no duplicates.

The 'Keywords' tab is active, showing buttons for 'DISTINCT', 'LIMIT', 'ASC', and 'DESC'.

Seleccionar los nombres de usuario, compras y suscripciones QUE NO SE REPITAN, ordenando de forma descendente según nombres de usuario y suscripciones. Solamente se muestran los 20 primeros.

Después de esta ultima prueba, salio el mensaje de que se acabó el la prueba gratuita de esta plataforma, de forma que se da por finalizada la tarea.

Brief

SQL

Results

Guide

Profile

Username	Purchases	SubscribedSince
zacharyw931	44	2020-04-27
zacharys	14	2019-12-05
wright.russell	6	2019-08-23
wright.jonathan		2021-06-28
wmorris	37	2020-10-20
williew	30	2019-10-21
willie.martinez	0	2020-01-28
williams.frances	18	2020-06-10
williams.edward328	44	2021-03-28
williams.betty1985	27	2020-05-03
williamb500	13	2020-03-14
white.jacob	6	2020-06-13

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