

## Aprendamos un poco de SQL

SQL En la "Introducción a las bases de datos" hablamos de qué era una Base de Datos (BBDD) y su relevancia en cualquier proyecto de cierta envergadura. También vimos que hoy en día conviven diferentes tipologías de BBDD y destacamos las relacionales. BBDD relacionales: "Colección de elementos de datos organizados en un conjunto de tablas conformadas por filas y columnas a través de las cuales se puede acceder a la información para leerla, cambiarla, borrarla o incluso insertar nuevos datos".

Para tener acceso a esta información se utiliza SQL (Structured Query Language), es decir, un lenguaje de consulta estructurada utilizado para administrar y recuperar información desde sistemas de gestión de bases de datos relacionales.

Por otro lado, la IA está muy ligada al estudio de los datos y los @egggers una vez finalizada su ruta de aprendizaje en "el huevo" deberían ser capaces de trabajar con solvencia en diferentes entornos de datos estructurados y no estructurados.

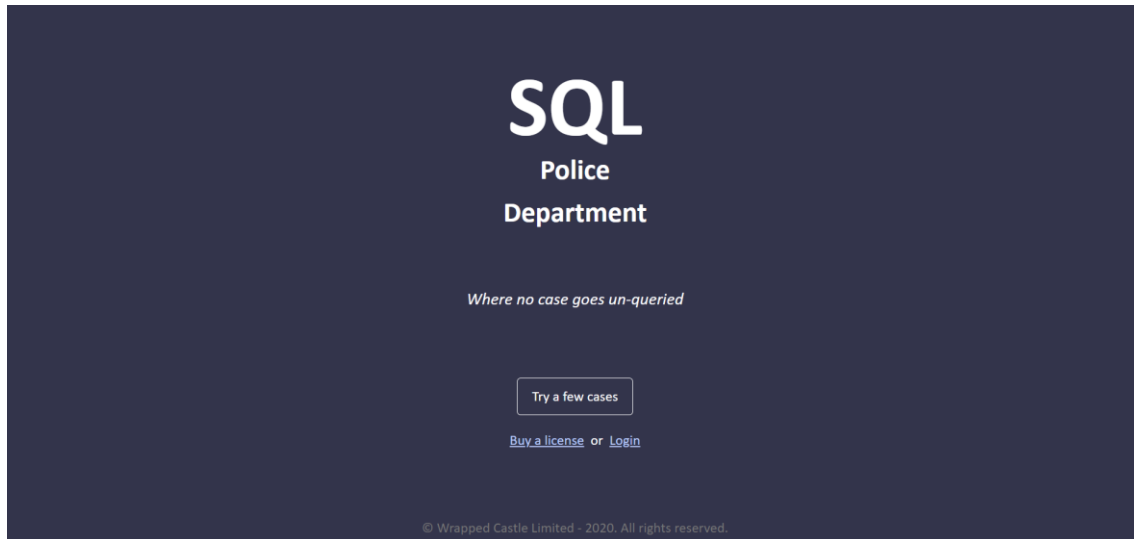
Dicho de otro modo, la IA es una combinación entre la estadística, las matemáticas y la informática para organizar e interpretar datos de diferentes fuentes y extraer conocimiento para posteriormente extrapolarlo y generalizarlo. A la persona capaz de sacar jugo desde los datos se la conoce como Data Scientist. Es el profesional que se centra en las herramientas que transforman los datos en información de valor.

*Tarea: "Un cracker ha accedido a una información privada y tú, que eres "El inspector SQL", debes tomar una serie de decisiones mediante sentencias SQL para resolver el caso". Escribe en un documento de texto (.doc, .txt, ...) la sentencia SQL que has utilizado para cada caso resuelto junto con una breve explicación sobre la sentencia SQL que has utilizado.*

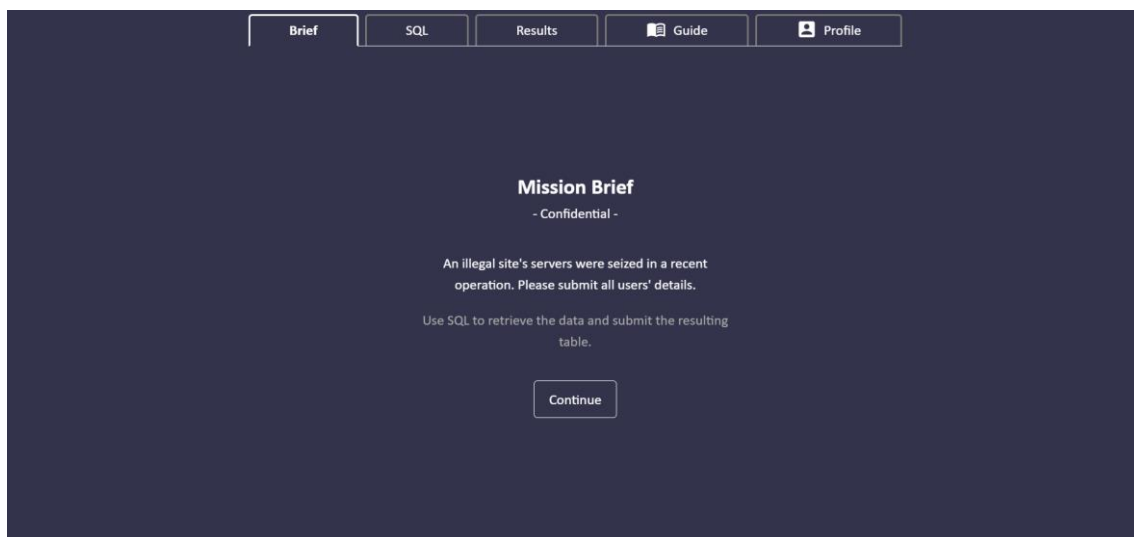
*Diviértete: COMENZAR INSPECCIÓN (pulsa en "Try a few cases y ya puedes empezar a jugar")*

## Primeros pasos

Tal y como menciona la tarea, este ejercicio se plantea en la página web <https://sqlpd.com/>



Una vez pulsado el botón “Try a few cases” comienza la misión con el siguiente planteamiento:



Esta misión está compuesta por 11 sub misiones que se describen a continuación:

## Misión 1

Brief

SQL

Results

Guide

Profile

```
SELECT *
FROM users; |
```

; ▶ Execute

Brief

Table

Keywords

Filters & Values

An illegal site's servers were seized in a recent operation. Please submit all users' details.

SELECT

FROM

WHERE

GROUP BY

HAVING

ORDER BY

*	users	U
	FirstName	
	Surname	
	Email	
	LastAccess	
	NumberOfPosts	

Con los siguientes resultados:

FirstName	Surname	Email	LastAccess	NumberOfPosts
Lori	Davis	davis.lori967@hotmail.com	2021-02-17 03:16:40	39
Richard	Butler	butlerr@yahoo.com	2021-03-18 03:24:59	8
Benjamin	Allen	allen.benjamin@gmail.com	2021-03-14 01:29:46	71
Daniel	Thompson	thompsond@yahoo.com	2021-03-17 17:04:39	28
Sharon	Sanders	sanderss671@gmail.com	2021-02-18 19:50:20	48
Rose	Johnson	johnsonr@protonmail.com	2021-03-04 14:15:03	87
Jacob	Washington	washington.jacob927@hotmail.com	2021-03-12 15:57:38	92
Terry	Martin	martin.terry2016@gmail.com	2021-03-10 12:08:01	80
Denise	Bennett	bennett.denise362@yahoo.com	2021-03-18 12:10:51	74
Christian	Scott	scottc@icloud.com	2021-03-26 20:01:01	83

Submit results

Y la aprobación del programa:

FirstName	Surname	Email	LastAccess	NumberOfPo
Lori	Davis	davis.lori967@hotmail.com	2021-02-17 03:16:40	
Richard	Butler	butlerr@yahoo.com	2021-03-18 03:24:59	
Benjamin	Allen	allen.benjamin@gmail.com	2021-03-14 01:29:46	
Daniel	Thompson	thompsond@yahoo.com	2021-03-17 17:04:39	
Sharon	Sanders	sanderss671@gmail.com	2021-02-18 19:50:20	
Rose	Johnson	johnsonr@protonmail.com	2021-03-04 14:15:03	
Jacob	Washington	washington.jacob927@hotmail.com	2021-03-12 15:57:38	
Terry	Martin	martin.terry2016@gmail.com	2021-03-10 12:08:01	
Denise	Bennett	bennett.denise@gmail.com	2021-03-18 12:10:51	
Christian	Scott	scottc@icloud.com	2021-03-26 20:01:01	

**SOLVED**

Good job!

Advance to next case

## Misión 2

Brief

SQL

Results

Guide

Profile

```
SELECT *
FROM users; |
```

; ▶ Execute

Brief

Table

Keywords

Filters & Values

An illegal site's servers were seized in a recent operation. Please submit all users' details.

SELECT

FROM

WHERE

GROUP BY

HAVING

ORDER BY

*	users	U
GivenName		
FamilyName		
Email		
LastAccess		
NumberOfDownloads		

Con los siguientes resultados:

<div>Brief</div> <div>SQL</div> <div>Results</div> <div>Guide</div> <div>Profile</div>				
GivenName	FamilyName	Email	LastAccess	NumberOfDownloads
Nicole	Hughes	nicole.hughes@yahoo.com	2021-03-05 18:33:25	99
Eric	Gonzales	eric.gonzales2017@hotmail.com	2021-02-28 13:55:11	82
Debra	Collins	debra.collins@icloud.com	2021-02-18 10:27:15	58
Jessica	Lee	leej@gmail.com	2021-04-11 20:19:51	6
Heather	Alexander	alexander.heather@outlook.com	2021-03-11 08:39:07	62
Nicole	Anderson	andersonn@hotmail.com	2021-04-02 00:36:29	61
Charles	Walker	walkerc@icloud.com	2021-03-17 15:34:11	71
Diana	Coleman	cdiana@hotmail.com	2021-03-04 04:17:09	7
William	Patterson	william.patterson@protonmail.com	2021-02-18 18:27:13	37
Eric	Washington	washington.eric@icloud.com	2021-03-14 06:37:12	77

Submit results

Y la aprobación del programa:

<div>Brief</div> <div>SQL</div> <div>Results</div> <div>Guide</div> <div>Profile</div>				
GivenName	FamilyName	Email	LastAccess	NumberOfDownloads
Nicole	Hughes	nicole.hughes@yahoo.com	2021-03-05 18:33:25	99
Eric	Gonzales	eric.gonzales2017@hotmail.com	2021-02-28 13:55:11	82
Debra	Collins	debra.collins@icloud.com	2021-02-18 10:27:15	58
Jessica	Lee	leej@gmail.com	2021-04-11 20:19:51	6
Heather	Alexander	alexander.heather@outlook.com	2021-03-11 08:39:07	62
Nicole	Anderson	andersonn@hotmail.com	2021-04-02 00:36:29	61
Charles	Walker	walkerc@icloud.com	2021-03-17 15:34:11	71
Diana	Coleman	cdiana@hotmail.com	2021-03-04 04:17:09	7
William	Patterson	william.patterson@protonmail.com	2021-02-18 18:27:13	37
Eric	Washington	washington.eric@icloud.com	2021-03-14 06:37:12	77

Keep up the good work!

Advance to next case

Submit results

### Misión 3

Brief

SQL

Results

Guide

Profile

```
SELECT SubscribedSince, Username
FROM subscribers; |
```

; ▶ Execute

Brief

Table

Keywords

Filters & Values

A hacked site subscribers' details have surfaced on a darknet forum. Please submit all subscribers subscribed since dates and usernames' details.

SELECT

FROM

WHERE

GROUP BY

HAVING

ORDER BY

\* subscribers S

Username

Name

PasswordHash

SubscribedSince

Address

NumberOfPurchases

El resultado es el siguiente:

Brief

SQL

Results

Guide

Profile

SubscribedSince	Username
2019-09-26	young.grace1979
2019-12-19	wood.hannah971
2020-04-07	baker.kathleen1975
2019-06-07	shirley.hayes1977
2019-09-24	hughes.julie
2020-12-04	sandrac326
2019-05-29	sanchez.carolyn
2020-12-17	cgray
2021-01-06	debrap
2020-05-09	twilson2016

Submit results

Con la aprobación del programa:

The screenshot shows a SQL interface with tabs for Brief, SQL, Results, Guide, and Profile. The Results tab is active, displaying a table with two columns: SubscribedSince and Username. The table contains 10 rows of data. A large green 'SOLVED' stamp is overlaid on the table. Below the table, there is a 'Way to go!' message and an 'Advance to next case' button. At the bottom, there is a 'Submit results' button.

SubscribedSince	Username
2019-09-26	young.grace1979
2019-12-19	wood.hannah971
2020-04-07	harker.kathleen1975
2019-06-07	scott.mayes1977
2019-09-24	hughes.kyle
2020-12-04	sandra.226
2019-05-29	sanchez.carolyn
2020-12-17	cgray
2021-01-01	
2020-05-09	twilson2016

## Misión 4

The screenshot shows a SQL interface with tabs for Brief, SQL, Results, Guide, and Profile. The SQL tab is active, displaying a query: `SELECT Email, GivenName FROM mailing_list; |`. Below the query, there is an 'Execute' button. The Results tab is also active, showing a table with columns: \* (primary key), mailing\_list (table name), and M (foreign key). The table contains the following data:

*	mailing_list	M
GivenName		
LastName		
Email		
Joined		
PromotionsSent		

The Brief tab is also active, showing a description: 'A mailing list of an illegal online service was sent to the SQLPD hot-line. Please submit all records emails and given names' details.'

El resultado es el siguiente:

Brief

SQL

Results

Guide

Profile

Email	GivenName
alan.collins@protonmail.com	Alan
wards786@gmail.com	Scott
barnes.teresa44@hotmail.com	Teresa
cnathan@live.com	Nathan
ajesse@icloud.com	Jesse
edwardsn779@gmail.com	Noah
wkelly586@gmail.com	Kelly
jamesd@icloud.com	Debra
jenkins.grace1971@gmail.com	Grace
hjoyce2011@yahoo.com	Joyce

Submit results

Con la aprobación del programa:

Brief

SQL

Results

Guide

Profile

Email	GivenName
alan.collins@protonmail.com	Alan
wards786@gmail.com	Scott
barnes.teresa44@hotmail.com	Teresa
cnathan@live.com	Nathan
ajesse@icloud.com	Jesse
edwardsn779@gmail.com	Noah
wkelly586@gmail.com	Kelly
jamesd@icloud.com	Debra
jenkins.grace1971@gmail.com	Grace
hjoyce2011@yahoo.com	Joyce

Awesome!

Advance to next case

Submit results



## Misión 5

Brief

SQL

Results

Guide

Profile

```
SELECT DISTINCT AccessTime
FROM users;
```

; ▶ Execute

Brief

Table

Keywords

Filters & Values

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

SELECT

FROM

WHERE

GROUP BY

HAVING

ORDER BY

*	users	U
FirstName		
LastName		
Email		
AccessTime		
NumberOfDownloads		

Con los siguientes resultados:

Brief

SQL

Results

Guide

Profile

AccessTime
2021-02-16 01:41:08
2021-02-16 02:57:25
2021-02-16 04:26:27
2021-02-16 05:58:25
2021-02-16 06:13:42
2021-02-16 09:56:54
2021-02-16 14:02:10
2021-02-16 17:26:06
2021-02-16 22:49:24
2021-02-17 03:32:25

Submit results

Y la aprobación del programa:

The screenshot shows a web application interface with a dark theme. At the top, there are navigation tabs: Brief, SQL, Results, Guide, and Profile. The 'Results' tab is active, displaying a list of access times under the heading 'AccessTime'. The list contains several entries, including '2021-02-16 01:41:08', '2021-02-16 02:57:25', '2021-02-16 04:26:27', '2021-02-16 05:00:25', '2021-02-16 06:00:04', '2021-02-16 09:53:54', '2021-02-16 14:02:10', 'Great!', '2021-02-16 17:26:06', and '2021-02-17 03:32:25'. A large green 'SOLVED' watermark is overlaid diagonally across the center of the screen. Below the list, there is a button labeled 'Advance to next case' and a 'Submit results' button at the bottom.

## Misión 6

The screenshot shows a web application interface for 'Misión 6'. At the top, there are navigation tabs: Brief, SQL, Results, Guide, and Profile. The 'SQL' tab is active, displaying a SQL query editor with the following text: 

```
SELECT *  
FROM mailing_list  
ORDER BY PasswordChanges ASC; |
```

 Below the editor, there is a button labeled 'Execute' with a play icon. To the right of the 'Execute' button are icons for a trash can and a close button. Below the SQL editor, there are three tabs: Brief, Keywords, and Filters & Values. The 'Brief' tab is active, displaying a text box 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 number of password changes in ascending order.

 To the right of the 'Brief' tab, there are three buttons: DISTINCT, LIMIT, and ASC, and a button labeled DESC.

Con los siguientes resultados:

Brief		SQL	Results	Guide	Profile
FirstName	Surname	EmailAddress	JoinDate	PasswordChanges	
Judy	Torres	torres.judy@hotmail.com	2019-12-09	0	
Bobby	Wright	wbobby@icloud.com	2020-08-26	0	
Wayne	Griffin	griffinw@gmail.com	2019-06-17	0	
Aaron	Williams	williamsa@yahoo.com	2020-09-05	0	
Jeremy	Harris	harris.jeremy@hotmail.com	2020-01-13	0	
Mary	Anderson	mary.anderson@gmail.com	2019-06-17	0	
Peter	Rodriguez	peter.rodriguez@gmail.com	2018-12-16	0	
Stephanie	Evans	evanss561@yahoo.com	2019-07-10	0	
Charles	James	jamesc@gmail.com	2020-02-24	0	
Donald	Peterson	donald.peterson@me.com	2018-10-04	0	

Submit results

La aprobación del programa:

Brief		SQL	Results	Guide	Profile
FirstName	Surname	EmailAddress	JoinDate	PasswordChanges	
Judy	Torres	torres.judy@hotmail.com	2019-12-09	0	
Bobby	Wright	wbobby@icloud.com	2020-08-26	0	
Wayne	Griffin	griffinw@gmail.com	2019-06-17	0	
Aaron	Williams	williamsa@yahoo.com	2020-09-05	0	
Jeremy	Harris	harris.jeremy@hotmail.com	2020-01-13	0	
Mary	Anderson	mary.anderson@gmail.com	2019-06-17	0	
Peter	Rodriguez	peter.rodriguez@gmail.com	2018-12-16	0	
Stephanie	Evans	evanss561@yahoo.com	2019-07-10	0	
Charles	James	jamesc@gmail.com	2020-02-24	0	
Donald	Peterson	donald.peterson@me.com	2018-10-04	0	

Keep up the good work!

Advance to next case

Submit results

Misión 7

BriefSQLResultsGuideProfile

SELECT \*  
FROM members  
ORDER BY JoinedOn DESC; |

; ▶ Execute

TableKeywordsFilters & Values

SELECTFROMWHEREGROUP BYHAVINGORDER BY

\*membersM

Username  
FullName  
PasswordHash  
JoinedOn  
MailingAddress  
NumberOfPurchases

Brief

A hacked site members' details have surfaced on a darknet forum. Please submit all members' details sorted by joined on dates in descending order.

Los resultados son los siguientes:

Username	FullName	PasswordHash	JoinedOn	MailingAddress	NumberOfPurchases
richard.nelson	Richard Nelson	c764eb921337bae7bce5	2021-04-17	88 Wombat Park	27
marilyn.bryant	Marilyn Bryant	c137ee6eb2164bb64bb8	2021-04-16	20 Bat Drive	45
jramirez107	Jonathan Ramirez	0470b800a090a7211a09	2021-04-14	78 Ferret Park	36
alexisb361	Alexis Bailey	c3eb1584e4af11c14173	2021-04-12	8 Bat Drive	22
christine.lopez91	Christine Lopez	44bd7362891838f58a81	2021-04-05	74 Aardvark Place	49
roseh	Rose Harris	5b4c2370e8ae85254493	2021-04-04	70 Otter Mews	17
sscott	Susan Scott	90f6e3de97b8fd4ed814	2021-04-03	20 Gray Place	24
henry.scott	Henry Scott	40adbc34f160ff766a1a	2021-04-02	99 Kudu Lane	42
walker.scott480	Scott Walker	82e3f783540e00a99196	2021-04-01	47 Prairie dog Crescent	27
price.cheryl	Cheryl Price	d0212e2b4d262faf49ae	2021-04-01	31 Myna Road	39

Submit results

Y la aprobación del programa:

Brief		SQL	Results	Guide	Profile
Username	FullName	PasswordHash	JoinedOn	MailingAddress	NumberOfPurchases
richard.nelson	Richard Nelson	c764eb921337b2e8bce5	2021-04-17	88 Wombat Park	27
marilyn.bryant	Marilyn Bryant	c137ee6211641b5b8	2021-04-16	20 Bat Drive	45
jamirez107	Jonathan Ramirez	0470b800a5d6e7777	2021-04-14	78 Ferret Park	36
alexisb361	Alexis Bailey	c3eb1584e4af1112177	2021-04-12	8 Bat Drive	22
christine.lopez91	Christine Lopez	44bd7362891838f58a81	2021-04-05	74 Aardvark Place	49
roseh	Rose Harris	5b4c2370e8ae85254493	2021-04-04	70 Otter Mews	17
s.scott	Susan Scott	90f6e3de97b8fd4ed814	2021-04-03	20 Gray Place	24
henry.scott	Henry Scott	40adb34f160f766a1a	2021-04-02	99 Kudu Lane	42
walker.scott480	Scott Walker	82e3f783541	2021-04-01	47 Prairie dog Crescent	27
price.cheryl	Cheryl Price	d0212e2b4d7b2fa49ae	2021-04-01	31 Myria Road	39

Amazing!

Advance to next case

Submit results

## Misión 8

Brief

SQL

Results

Guide

Profile

```
SELECT DISTINCT HashedPassword, Username
FROM subscribers
ORDER BY Username DESC;
```

; ▶ Execute

Brief

Table

Keywords

Filters & Values

White hat hacker has sent SQLPD exposed subscribers' details of a shady site connected to various persons of interest. Please submit all subscribers hashed passwords and usernames' details sorted by usernames in descending order. Please make sure there are no duplicates.

DISTINCT LIMIT ASC DESC

Con el siguiente resultado:

Brief

SQL

Results

Guide

Profile

HashedPassword	Username
d04ca79938462621027a	zmiller
c9d0abdb7512a1393b72	zachary.alexander2004
a44e429b43e6b909abb2	young.jesse2016
0c82beceeaf4df1c731f	wrussell2001
edb99c52c53f248f4334	wright.beverly565
4fe11d3faab74eda376e	wright.beverly
11dee3760c28f226e81e	wright.amanda
38f2b034ac2a15fe208d	wood.alexander169
10c302445a9506b47161	williec2009
e23030c277758a710b73	williea2006

Submit results

Y la aprobación del programa:

Brief

SQL

Results

Guide

Profile

HashedPassword	Username
d04ca79938462621027a	zmiller
c9d0abdb7512a1393b72	zachary.alexander2004
a44e429b43e6b909abb2	young.jesse2016
0c82beceeaf4df1c731f	wrussell2001
edb99c52c53f248f4334	wright.beverly565
4fe11d3faab74eda376e	wright.beverly
11dee3760c28f226e81e	wright.amanda
38f2b034ac2a15fe208d	wood.alexander169
10c302445a9506b47161	williec2009
e23030c277758a710b73	williea2006

Splendid!

Advance to next case

Submit results

## Misión 9

Brief

SQL

Results

Guide

Profile

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

; ▶ Execute

Brief

Table

Keywords

Filters & Values

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 member since dates' details sorted by usernames in ascending order and then by member since dates in descending order.

DISTINCT

LIMIT

ASC

DESC

Resultados de la propuesta:

Brief

SQL

Results

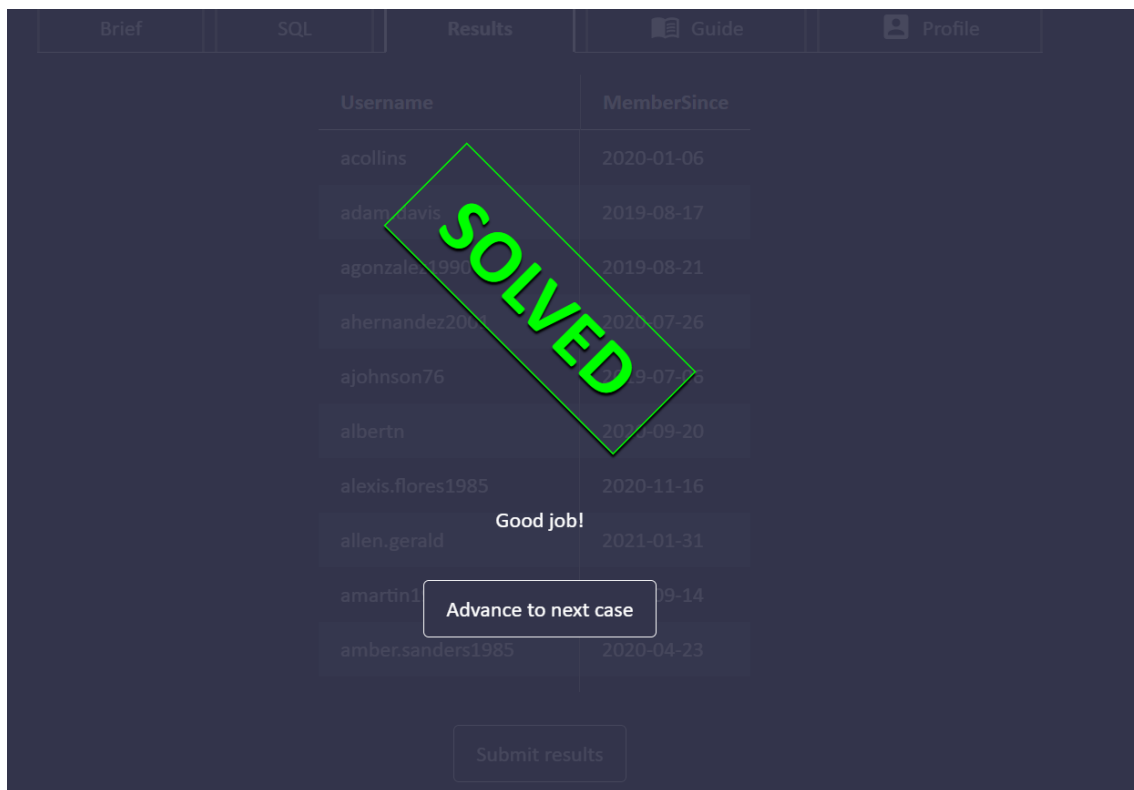
Guide

Profile

Username	MemberSince
acollins	2020-01-06
adam.davis	2019-08-17
agonzalez1990	2019-08-21
ahernandez2001	2020-07-26
ajohnson76	2019-07-06
albertn	2020-09-20
alexis.flores1985	2020-11-16
allen.gerald	2021-01-31
amartin1986	2020-09-14
amber.sanders1985	2020-04-23

Submit results

Aprobación del programa:



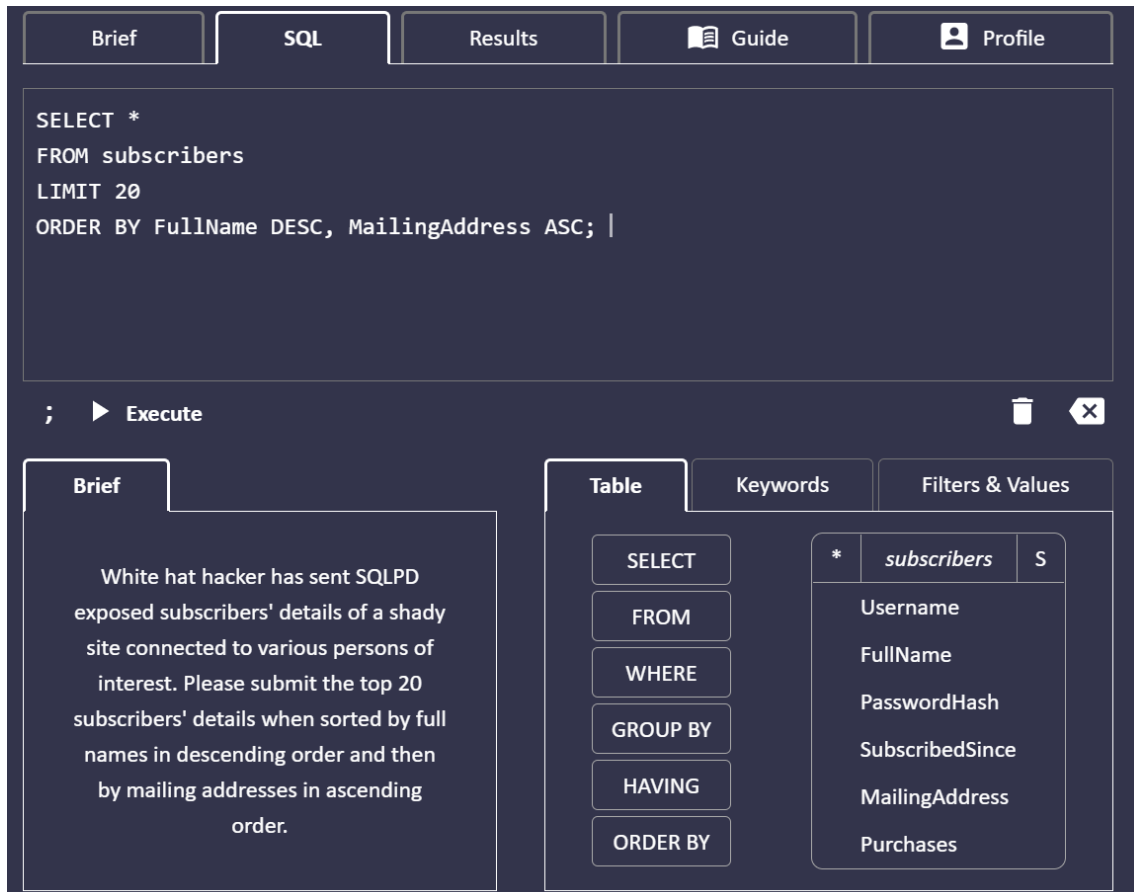
Username	MemberSince
acollins	2020-01-06
adam.davis	2019-08-17
agonzalez1990	2019-08-21
ahernandez2001	2020-07-26
ajohnson76	2019-07-29
albertn	2020-09-20
alexis.flores1985	2020-11-16
allen.gerald	2021-01-31
amartin1	2019-09-14
amber.sanders1985	2020-04-23

Good job!

Advance to next case

Submit results

## Misión 10



Brief SQL Results Guide Profile

```
SELECT *
FROM subscribers
LIMIT 20
ORDER BY FullName DESC, MailingAddress ASC; |
```

; ▶ Execute

Brief

White hat hacker has sent SQLPD exposed subscribers' details of a shady site connected to various persons of interest. Please submit the top 20 subscribers' details when sorted by full names in descending order and then by mailing addresses in ascending order.

Table Keywords Filters & Values

SELECT	FROM	WHERE	GROUP BY	HAVING	ORDER BY
*	subscribers	S			
	Username				
	FullName				
	PasswordHash				
	SubscribedSince				
	MailingAddress				
	Purchases				



Resultados y la aprobación al mismo tiempo:

Brief		SQL	Results	Guide	Profile
Username	FullName	PasswordHash	SubscribedSince	MailingAddress	Purchases
zparker	Zachary Parker	c75a4af70d3f0057026e	2019-09-02	20 Robinson Terrace	13
zedwards	Zachary Edwards	c8d6b7073c71d08f395	2019-10-01	45 Butterfly Place	1
wlong	Willie Long	f8cf4e663a44797d4	2019-04-22	28 Myna Road	1
williaml91	William Lee	0be029a792afed0	2020-12-15	91 Gerbil Way	43
walterr	Walter Roberts	d390327135dd56e780e	2020-11-30	99 Monkey Alley	20
walterp	Walter Price	35ed791cd152f4fd433a	2020-06-14	52 Dinosaur Mews	18
sanchez.virginia1986	Virginia Sanchez	cf18c87f0f5a87af1dd2	2019-10-14	71 Bell Place	11
vincentt223	Vincent Taylor	5dcc91f1f4b2875845b6	2019-07-27	84 Reindeer Road	28
vparker1993	Victoria Parker	f3b07	2020-01-08	63 Tamarin Drive	46
vking	Victoria King	003af7f839970edb426b	2020-09-25	38 Harris Alley	45

Good job!

Advance to next case

Submit results

## Misión 11

Brief

SQL

Results

Guide

Profile

```
SELECT DISTINCT LastName, EmailAddress, NumberOfPosts
FROM users
ORDER BY EmailAddress ASC, LastName DESC
LIMIT 10; |
```

; ▶ Execute

Brief

Table

Keywords

Filters & Values

An illegal site's servers were seized in a recent operation. Please submit the top 10 users last names, email addresses and number of posts' details when sorted by email addresses in ascending order and then by last names in descending order. Please make sure there are no duplicates.

SELECT

FROM

WHERE

GROUP BY

HAVING

ORDER BY


*	users	U
FirstName		
LastName		
EmailAddress		
LastAccess		
NumberOfPosts		


Los resultados son los siguientes:

Brief

SQL

Results

 Guide

 Profile

LastName	EmailAddress	NumberOfPosts
Diaz	abigail.diaz811@protonmail.com	11
Anderson	adouglas@icloud.com	21
Alexander	ajonathan@me.com	25
Alexander	alexander.amber@gmail.com	46
Alexander	alexander.george@hotmail.com	44
Alexander	alexander.jessica1986@live.com	29
Alexander	alexanderr@outlook.com	65
Adams	alinda@icloud.com	72
Allen	allen.aaron@me.com	27
Allen	alleng574@hotmail.com	72

Submit results

Aprobación por parte de la plataforma:

Brief

SQL

Results

Guide

Profile

LastName	EmailAddress	NumberOfPosts
Diaz	abigail.diaz811@protonmail.com	11
Anderson	adouglass@icloud.com	21
Alexander	ajonathan@me.com	25
Alexander	alexander.amber@gmail.com	46
Alexander	alexander.george@hotmail.com	44
Alexander	alexander.jessica1986@live.com	29
Alexander	alexanderr@outlook.com	65
Adams	alinda@icloud.com	72
Allen	allen.aaron@me.com	27
Allen	alleng574@hotmail.com	72

**SOLVED**  
Qualified for next rank!

- End of free trial -

[Buy a license](#) to take the rank test and advance to the next level.

Submit results

En vez de comprar esta licencia, he seguido aprendiendo dando los pasos que se explican en este documento: Un pasito más SQL.