## Actividad 1. Primeros pasos con SQL.

## Objetivo

Practicar la creación y manipulación de una base de datos SQLite3 desde la línea de comandos.

Realiza un informe de todos los pasos y toma capturas de todo el proceso.

Paso 1: Crea una tabla con un campo de cada tipo.

- 1. Utilizando la terminal o línea de comandos, abre SQLite3 y crea una base de datos llamada tarea1.db
- 2. Dentro de SQLite3, crea una tabla llamada JdT con los siguientes campos:
- ID (tipo INTEGER, clave primaria)
- Episodio (tipo TEXT)
- Temporada (tipo INTEGER)
- Audiencia (tipo REAL)
- Estreno (tipo DATE)
- Temática (tipo BOOLEAN)

```
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('Cord Snow', 1, 2.20, '2011-04-24', 1);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('Criples, Bastards and Browen Chilaga, 1, 2.45, '2011-05-01', 0);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('No Globel Crown', 1, 2.44, '2011-05-22', 0);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('You Win or You Die', 1, 2.44, '2011-05-22', 0);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('You Win or You Die', 1, 2.46, '2011-05-22', 0);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('You Win or You Die', 1, 2.46, '2011-05-22', 0);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('You Win or You Die', 1, 2.46, '2011-06-12', 1);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('Hen Point End', 2, 2, 26, '2011-06-12', 1);
sqlite: DNSERT INTO tareal (Episodio, Temporada, Audiencia, Estreno, Tematica) VALUES ('Hen with Temporate Values') (
```

Paso 3: Realizar consultas de datos.

1. Obtén todas las entradas de la tabla JdT.

ID	Episodio Episodio	Temporada	Audiencia	Estrono	Tematica	†
1 10		remporada	Mudicilcia	ESCIEIIO		!
1 1	Winter is Coming	1	2.22	2011-04-17	I 0	ï
2	The Kingsroad	1	2.22	2011-04-17	i	¦ .
3	Lord Snow	1	2.2	2011-04-24	1 1	i .
4	Criples, Bastards and Broken things	1	2.45	2011-05-01	0	Ϊ.
5	The Wolf and then lion	1	2.58	2011-05-15	l ö	Ϊ.
6	A Golden Crown	1	2.44	2011-05-22	Ö	i
1 7	You Win or You Die	1	2.4	2011-05-29	0	i
8	The Point End	1	2.72	2011-06-05	i	i
9	Baleor	1	2.66	2011-06-12	1	i
10	Fire and Blood	1	3.04	2011-06-19	i	i
11	The north Remembers	2	3.85	2012-04-01	Ö	i
12	The Night Lands	2	3.75	2012-04-08	0	i
13	What is dead may never Die	2	3.76	2012-04-15	Ιο	i .
14	Garden of Bones	2	3.65	2012-04-22	1	i
15	The Gosht of Harrenhal	2	3.9	2012-04-29	ī	i
16	The Old Godds and The News	2	3.87	2012-05-06	0	i
17	A man Without Honor	2	3.69	2012-05-13	0	i
18	A man Without Honor	2	3.69	2012-05-13	i 0	i
19	The prince of winterfall	2	3.86	2012-05-20	i	i
j 20	Blacwater	2	3.38	2012-05-27	i	i
21	Valar Morghulis	2	4.2	2012-06-03	1	i
j 22	Valar Dohaeris	3	4.36	2012-06-31	1	i
23	Dark Wings Dark Words	3	4.36	2013-04-07	i	i
24	Walk Of Punisment	3	4.72	2013-04-14	j	j .
25	Kissed By Fire	3	5.34	2013-04-28	j 0	j .
26	The Climb	3	5.5	2013-05-05	1	j .
27	The Bear and the Maiden Fair	3	4.84	2013-05-12	1	İ
28	Seconds sons	3	5.15	2013-06-02	0	İ
29	The Rains of Castamare	3	5.22	2014-04-06	0	ĺ
30	Mhysa	3	5.39	2014-04-13	0	ĺ
31	Two Swords	4	6.64	2014-04-20	0	
32	The lion and The Rose	4	6.31	2014-04-27	1	
33	Breaker Of Chains	4	6.59	2014-05-04	1	
34	Oathkeeper	4	6.94	2014-05-11	0	
35	First of His Name	4	7.15	2014-05-18	0	
36	The Law of Gods And Men	4	6.39	2014-05-25	0	1
37	Mockingbirds	4	7.19	2014-06-01	0	
38	The Mountain and the Viper	4	7.16	2014-06-15	1	
39	The Watchers on the Wall	4	6.94	2015-04-12	1	
40	The Children	4	7.09	2015-04-19	0	
41	The Wars to Come	5	7.99	2015-04-26	0	
42	The House of the balck and white	5	7.81	2015-05-03	0	
43	High Sparrow	5	6.71	•	0	ļ .
44	Sons of the Harpy	5	6.81	2015-05-17	1	ļ .
45	Kill The Boy	5	6.55	2015-05-24	1	ļ .
46	Unbowed, Unbent, Unbroken	5	6.24	2015-06-07	0	ļ .
47	The gift	5	5.4	2015-06-14	0	ļ .
48	Hardhome	5	7.01	2015-06-21	0	ļ
49	The danace of Dragons	5	7.13	2016-04-24	0	ļ .
50	Mothers Mercy	5	8.11	2016-05-01	1	ļ
+	······································	+	+	+	+	+

2. Obtén las entradas con el campo Episodio y Audiencia.

sqlite> SELECT Episodio, Audiencia FROM	tareal
> ;	
Episodio	Audiencia
Winter is Coming	2.22
The Kingsroad	2.22
Lord Snow	2.2
Criples, Bastards and Broken things	2.45
The Wolf and then lion	2.58
A Golden Crown	2.44
You Win or You Die	2.4
The Point End   Baleor	2.72   2.66
Fire and Blood	3.04
The north Remembers	3.85
The Night Lands	3.75
What is dead may never Die	3.76
Garden of Bones	3.65
The Gosht of Harrenhal	3.9
The Old Godds and The News	3.87
A man Without Honor	3.69
A man Without Honor	3.69
The prince of winterfall	3.86
Blacwater	3.38
Valar Morghulis	4.2
Valar Dohaeris	4.36
Dark Wings Dark Words   Walk Of Punisment	4.36   4.72
Walk of Fullisment   Kissed By Fire	5.34
The Climb	5.5
The Bear and the Maiden Fair	4.84
Seconds sons	5.15
The Rains of Castamare	5.22
Mhysa	5.39
Two Swords	6.64
The lion and The Rose	6.31
Breaker Of Chains	6.59
Oathkeeper	6.94
First of His Name	7.15
The Law of Gods And Men	6.39
Mockingbirds   The Mountain and the Viper	7.19   7.16
The Mountain and the Viper   The Watchers on the Wall	6.94
The Children	7.09
The Wars to Come	7.99
The House of the balck and white	7.81
High Sparrow	6.71
Sons of the Harpy	6.81
Kill The Boy	6.55
Unbowed, Unbent, Unbroken	6.24
The gift	5.4
Hardhome	7.01
The danace of Dragons	7.13
Mothers Mercy	8.11
calito	

Paso 4: Realiza las siguientes eliminaciones y modificaciones.

1. Elimina las entradas donde el campo Temática es igual a true.

	>> DELETE FROM tareal WHERE Tematica =					
sqlite> SELECT * FROM tareal ;						
ID		Temporada	Audiencia	Estreno	Tematica	
1	Winter is Coming	1	2.22	2011-04-17	0	
4 i	Criples, Bastards and Broken things	1	2.45	2011-05-01	i 0 i	
5	The Wolf and then lion	1	2.58	2011-05-15	j 0 j	
6	A Golden Crown	1	2.44	2011-05-22	j 0 j	
7 j	You Win or You Die	1	2.4	2011-05-29	j 0 j	
10 j	Fire and Blood	1	3.04	2011-06-19	j 0 j	
11	The north Remembers	2	3.85	2012-04-01	j 0 j	
12	The Night Lands	2	3.75	2012-04-08	j 0 j	
13	What is dead may never Die	2	3.76	2012-04-15	j 0 j	
16	The Old Godds and The News	2	3.87	2012-05-06	0	
17	A man Without Honor	2	3.69	2012-05-13	0	
18	A man Without Honor	2	3.69	2012-05-13	0	
19	The prince of winterfall	2	3.86	2012-05-20	0	
20	Blacwater	2	3.38	2012-05-27	0	
23	Dark Wings Dark Words	3	4.36	2013-04-07	0	
24	Walk Of Punisment	3	4.72	2013-04-14	0	
25	Kissed By Fire	3	5.34	2013-04-28	0	
28	Seconds sons	3	5.15	2013-06-02	0	
29	The Rains of Castamare	3	5.22	2014-04-06	0	
30	Mhysa	3	5.39	2014-04-13	0	
31	Two Swords	4	6.64	2014-04-20	0	
34	0athkeeper	4	6.94	2014-05-11	0	
35	First of His Name	4	7.15	2014-05-18	0	
36	The Law of Gods And Men	4	6.39	2014-05-25	0	
	Mockingbirds	4		2014-06-01	0	
40	The Children	4	7.09	2015-04-19	0	
41	The Wars to Come	5	7.99	2015-04-26	0	
42	The House of the balck and white	5	7.81	2015-05-03	0	
43	High Sparrow	5	6.71	2015-05-10	0	
46	Unbowed, Unbent, Unbroken	5	6.24	2015-06-07	0	
47	THE GITT	J	5.4	2015-06-14	0	
48		5	7.01	2015-06-21		
49	The danace of Dragons	5	7.13	2016-04-24	0	

2. Modifica el campo Episodio de las entradas donde el campo Temporada es igual a 1 y establece el texto como "Modificado".

sqlite> UPDATE tareal SET Episodio = 'Modificado' WHERE Temporada = 1; sqlite> SELECT * FROM tareal ;						
ID	Episodio	Temporada	Audiencia	Estreno	Tematica	
1   4   5   6	Modificado Modificado Modificado Modificado Modificado	1   1   1   1	2.22   2.45   2.58   2.44   2.4	2011-04-17   2011-05-01   2011-05-15   2011-05-22   2011-05-29	0	
10   11   12   13   16	Modificado The north Remembers The Night Lands What is dead may never Die The Old Godds and The News	1   2   2   2	3.04   3.85   3.75   3.76   3.87	2011-06-19 2012-04-01 2012-04-08 2012-04-15 2012-05-06	0	
17   18   19   20	A man Without Honor A man Without Honor The prince of winterfall Blacwater Dark Wings Dark Words	2   2   2   2	3.69 3.69 3.86 3.38 4.36	2012-05-13 2012-05-13 2012-05-20 2012-05-27 2013-04-07	0	
24 25 28 29	Walk Of Punisment Kissed By Fire Seconds sons The Rains of Castamare Mhysa	3   3   3   3	4.72   5.34   5.15   5.22	2013-04-14 2013-04-28 2013-06-02 2014-04-06 2014-04-13	0	
31 34 35 36	Two Swords Oathkeeper First of His Name The Law of Gods And Men	4   4   4   4	6.64   6.94   7.15   6.39	2014-04-20 2014-05-11 2014-05-18 2014-05-25	0   0   0   0	
37   40   41   42   43	Mockingbirds The Children The Wars to Come The House of the balck and white High Sparrow	4   4   5   5	7.19   7.09   7.99   7.81   6.71	2014-06-01 2015-04-19 2015-04-26 2015-05-03 2015-05-10	0   0   0   0   0	
46   47   48   49 +	Unbowed, Unbent, Unbroken The gift Hardhome The danace of Dragons	5   5   5   5	6.24   5.4   7.01   7.13	2015-06-07   2015-06-14   2015-06-21   2016-04-24	0   0   0   0	

3. Elimina las entradas donde el campo Temporada es igual a 5.

sqlite> DELETE FROM tareal WHERE Temporada = 5; sqlite> SELECT * FROM tareal ;					
ID	Episodio	Temporada	Audiencia	Estreno	Tematica
1	Modificado	1	2.22	2011-04-17	0
4	Modificado	1	2.45	2011-05-01	0 [
5	Modificado	1	2.58	2011-05-15	0
6	Modificado	1	2.44	2011-05-22	0
7	Modificado	1	2.4	2011-05-29	0
10	Modificado	1	3.04	2011-06-19	0
11	The north Remembers	2	3.85	2012-04-01	Θ
12	The Night Lands	2	3.75	2012-04-08	0
13	What is dead may never Die	2	3.76	2012-04-15	0
16	The Old Godds and The News	2	3.87	2012-05-06	0
17	A man Without Honor	2	3.69	2012-05-13	0
18	A man Without Honor	2	3.69	2012-05-13	0
19	The prince of winterfall	2	3.86	2012-05-20	0
20	Blacwater	2	3.38	2012-05-27	0
23	Dark Wings Dark Words	3	4.36	2013-04-07	0
24	Walk Of Punisment	3	4.72	2013-04-14	0
25	Kissed By Fire	3	5.34	2013-04-28	0
28	Seconds sons	3	5.15	2013-06-02	0
29	The Rains of Castamare	3	5.22	2014-04-06	0
30	Mhysa	3	5.39	2014-04-13	0
31	Two Swords	4	6.64	2014-04-20	0
34	0athkeeper	4	6.94	2014-05-11	0
35	First of His Name	4	7.15	2014-05-18	0
36	The Law of Gods And Men	4	6.39	2014-05-25	0
37	Mockingbirds	4	7.19	2014-06-01	0
40	The Children	4	7.09	2015-04-19	Θ

<sup>4.</sup> Actualiza el campo Estreno de todas las entradas por la fecha actual.

sqlite> UPDATE tarea1 SET Estreno = '2024-01-22'; sqlite> SELECT * FROM tarea1 ;						
ID	Episodio	Temporada	Audiencia	Estreno	Tematica	
1	Modificado	1	2.22	2024-01-22	0	
4	Modificado	1	2.45	2024-01-22	j 0 j	
5	Modificado	1	2.58	2024-01-22	0	
6	Modificado	1	2.44	2024-01-22	j 0 j	
7	Modificado	1	2.4	2024-01-22	0	
10	Modificado	1	3.04	2024-01-22	Θ	
11	The north Remembers	2	3.85	2024-01-22	Θ	
12	The Night Lands	2	3.75	2024-01-22	0	
13	What is dead may never Die	2	3.76	2024-01-22	Θ	
16	The Old Godds and The News	2	3.87	2024-01-22	0	
17	A man Without Honor	2	3.69	2024-01-22	0	
18	A man Without Honor	2	3.69	2024-01-22	0	
19	The prince of winterfall	2	3.86	2024-01-22	0	
20	Blacwater	2	3.38	2024-01-22	0	
23	Dark Wings Dark Words	3	4.36	2024-01-22	Θ	
24	Walk Of Punisment	3	4.72	2024-01-22	0	
25	Kissed By Fire	3	5.34	2024-01-22	0	
28	Seconds sons	3	5.15	2024-01-22	0	
29	The Rains of Castamare	3	5.22	2024-01-22	Θ	
30	Mhysa	3	5.39	2024-01-22	Θ	
31	Two Swords	4	6.64	2024-01-22	Θ	
34	0athkeeper	4	6.94	2024-01-22	0	
35	First of His Name	4	7.15	2024-01-22	0	
36	The Law of Gods And Men	4	6.39	2024-01-22	0	
37	Mockingbirds	4	7.19	2024-01-22	0	
40	The Children	4	7.09	2024-01-22	0	

## 5. Elimina las entradas donde el campo Audiencia es menor a 3.

sqlite> DELETE FROM tareal WHERE Audiencia < 3;							
sqlite> SELECT * FROM tareal ;							
ID	Episodio	Temporada	Audiencia	Estreno	Tematica   		
10     11     12     13     16     17     18     19     20     23     24     25     28     29     30     31     34     35     36     37	Modificado The north Remembers The Night Lands What is dead may never Die The Old Godds and The News A man Without Honor A man Without Honor The prince of winterfall Blacwater Dark Wings Dark Words Walk Of Punisment Kissed By Fire Seconds sons The Rains of Castamare Mhysa Two Swords Oathkeeper First of His Name The Law of Gods And Men Mockingbirds The Children	1 2 2 2 2 2 2 2 2 3 3 3 3 3 4 4 4 4 4	3.04 3.85 3.75 3.76 3.87 3.69 3.86 3.38 4.36 4.72 5.34 5.15 5.22 5.39 6.64 6.94 7.15 6.39 7.19 7.09	2024-01-22 2024-01-22	0   0   0   0   0   0   0   0   0   0		
salite>							