

IS456_PE05

SQLite-Use the Chinook Database

```
ThaddeusMaximus@DESKTOP-533PUBJ MINGW64 /d/SQLiteStudio
$ sqlite3 chinook.db
SQLite version 3.39.2 2022-07-21 15:24:47
Enter ".help" for usage hints.
sqlite> .headers on
sqlite> .mode column
sqlite> .output task1.txt
sqlite> SELECT *
...> FROM tracks
...> WHERE name LIKE 'Wild%';
sqlite> SELECT *
...> FROM tracks
...> WHERE name GLOB '*Man';
sqlite> .output task2.txt
sqlite> SELECT trackid,
...>     albumid,
...>     name
...> FROM tracks
...> WHERE albumid = (
...>     SELECT albumid
...>     FROM albums
...>     WHERE title = 'Let There Be Rock'
...> );
sqlite> .output task3.txt
sqlite> SELECT
...>     customerid,
...>     firstname,
...>     lastname
...> FROM customers
...> WHERE supportrepid IN (
...>     SELECT employeeid AS 'empId'
...>     FROM employees
...>     WHERE country = 'Canada'
...> );
sqlite> |
```

Task 1

-- Pattern Matching -- Write a Select statement using Like Operator to search the words which start with "Wild" from the tracks table.

```
SELECT *
FROM tracks
WHERE name LIKE 'Wild%';
```

-- Write a Select statement using Glob Operator to search the words which end with "Man" from the tracks table.

```
SELECT *
FROM tracks
WHERE name GLOB '*Man';
```

task 1 output

► task 1 tables

TrackId	Name	AlbumId	MediaTypeId	GenreId	Composer	Milliseconds	Bytes	UnitPrice
-----	-----	-----	-----	-----	-----	-----	-----	-----
1245	Wildest Dreams	98	1	13	Adrian Smith/Steve Harris	232777	9312384	0.99
1973	Wild Side	162	1	3	Nikki Sixx/Tommy Lee/Vince Neil	276767	9116997	0.99

TrackId	Name	AlbumId	MediaTypeId	GenreId	Composer	Milliseconds	Bytes	UnitPrice
2627	Wild Hearted Son	213	1	1	266893	8670550	0.99	
2633	Wild Flower	213	1	1	215536	7084321	0.99	
2944	Wild Honey	233	1	1	Adam Clayton, Bono, Larry Mullen, The Edge	226768	7466069	0.99
TrackId	Name	AlbumId	MediaTypeId	GenreId	Composer	Milliseconds	Bytes	UnitPrice
-----	-----	-----	-----	-----	-----	-----	-----	-----
31	Blind Man	5	1	1	Steven Tyler, Joe Perry, Taylor Rhodes	240718	7877453	0.99
359	Muffin Man	31	1	1	Frank Zappa	332878	10891682	0.99
431	The Invisible Man	36	1	1	Queen	238994	7920353	0.99
760	Hard Lovin' Man	59	1	1	Blackmore, Gillan, Glover, Lord, Paice	431203	13931179	0.99
809	Holy Man	65	1	1	D.Coverdale/G.Hughes/Glenn Hughes/J.Lord/John Lord	270236	8818093	0.99
821	Ramshackle Man	66	1	1	roger glover	334445	10874679	0.99
836	Make Love Like A Man	67	1	1	255660	8309725	0.99	
962	Just A Man	76	1	1	Mike Bordin, Billy Gould, Mike Patton	336666	11031254	0.99
1235	The Wicker Man	97	1	1	Adrian Smith/Bruce Dickinson/Steve Harris	275539	11022464	0.99
1353	The Wicker Man	108	1	3	Adrian Smith/Bruce Dickinson/Steve Harris	281782	11272320	0.99
1457	Half The Man	118	1	15	Toby Smith	289854	9577679	0.99
1573	2,000 Man	126	1	1	Mick Jagger, Keith Richard	312450	10292829	0.99
1809	Of Wolf And Man	148	1	3	James Hetfield, Lars Ulrich and Kirk Hammett	256835	8339785	0.99
2107	Iron Man	174	1	3	A. F. Iommi, W. Ward, T. Butler, J. Osbourne	172120	5609799	0.99
2162	Better Man	178	1	1	Eddie Vedder	246204	8019563	0.99
2224	Mystic Man	141	1	8	353671	11812170	0.99	
2228	Equal Rights Downpresser Man	141	1	8	366733	12086524	0.99	
2372	My Lovely Man	193	1	4	Anthony Kiedis/Chad Smith/Flea/John Frusciante	279118	9220114	0.99
2645	Back Door Man	214	1	1	Willie Dixon, C. Burnett	214360	7035636	0.99
2854	Company Man	228	3	21	2601226	493168135	1.99	

TrackId	Name	AlbumId	MediaTypeId	GenreId	Composer	Milliseconds	Bytes	UnitPrice
2855	Company Man	228	3	21	2601101	503786316	1.99	
2880	Confidence Man	230	3	19	2615244	223756475	1.99	
2986	Wake Up Dead Man	236	1	1	Bono, The Edge, Adam Clayton, and Larry Mullen	292832	9515903	0.99
3022	Drowning Man	239	1	1	U2	254458	8457066	0.99
3090	Ice Cream Man	244	1	1	John Brim	200306	6573145	0.99
3223	How to Stop an Exploding Man	228	3	21	2687103	487881159	1.99	
3379	She'll Never Be Your Man	270	2	23	Chris Cornell	204078	3355715	0.99
3427	Fanfare for the Common Man	296	2	24	Aaron Copland	198064	3211245	0.99

Task 2

-- Use the albums and tracks table:

-- Write a query and a subquery to return all the tracks in the album that have the title 'Let There Be Rock'. -- Make sure your result should have three columns of 'trackid', 'album id' and 'name'.

```
SELECT trackid,
       albumid,
       name
FROM tracks
WHERE albumid = (
    SELECT albumid
    FROM albums
    WHERE title = 'Let There Be Rock'
);
```

► task 2 table

TrackId	AlbumId	Name
-----	-----	-----
15	4	Go Down
16	4	Dog Eat Dog
17	4	Let There Be Rock
18	4	Bad Boy Boogie
19	4	Problem Child
20	4	Overdose
21	4	Hell Ain't A Bad Place To Be
22	4	Whole Lotta Rosie

task 2 output

Task 3

-- Write a query to return all customers who sales representative is located in Canada. -- Make sure use the IN operator -- Use employees and customers tables

```
SELECT
    customerid,
    firstname,
    lastname
FROM customers
WHERE supportrepid IN (
    SELECT employeeid AS 'empId'
    FROM employees
    WHERE country = 'Canada'
);
```

► task 3 table

CustomerId FirstName LastName

1 Luís Gonçalves
2 Leonie Köhler
3 François Tremblay
4 Bjørn Hansen
5 František Wichterlová 6 Helena Holý
7 Astrid Gruber
8 Daan Peeters
9 Kara Nielsen
10 Eduardo Martins
11 Alexandre Rocha
12 Roberto Almeida
13 Fernanda Ramos
14 Mark Philips
15 Jennifer Peterson
16 Frank Harris
17 Jack Smith
18 Michelle Brooks
19 Tim Goyer
20 Dan Miller
21 Kathy Chase
22 Heather Leacock
23 John Gordon
24 Frank Ralston
25 Victor Stevens
26 Richard Cunningham
27 Patrick Gray
28 Julia Barnett
29 Robert Brown
30 Edward Francis
31 Martha Silk
32 Aaron Mitchell
33 Ellie Sullivan
34 João Fernandes
35 Madalena Sampaio
36 Hannah Schneider
37 Fynn Zimmermann
38 Niklas Schröder
39 Camille Bernard
40 Dominique Lefebvre

41 Marc Dubois
42 Wyatt Girard
43 Isabelle Mercier
44 Terhi Hämäläinen
45 Ladislav Kovács
46 Hugh O'Reilly
47 Lucas Mancini
48 Johannes Van der Berg 49 Stanisław Wójcik
50 Enrique Muñoz
51 Joakim Johansson
52 Emma Jones
53 Phil Hughes
54 Steve Murray
55 Mark Taylor
56 Diego Gutiérrez
57 Luis Rojas
58 Manoj Pareek
59 Puja Srivastava

[task 3 output](#)