**Sqlite3 – order by and joins**

C:\javadb>sqlite3 music.db

SQLite version 3.22.0 2018-01-22 18:45:57

Enter ".help" for usage hints.

***sqlite> .schema***

***CREATE TABLE songs (\_id INTEGER PRIMARY KEY, track INTEGER, title TEXT NOT NULL, album INTEGER);***

***CREATE TABLE albums (\_id INTEGER PRIMARY KEY, name TEXT NOT NULL, artist INTEGER);***

***CREATE TABLE artists (\_id INTEGER PRIMARY KEY, name TEXT NOT NULL);***

|  |  |
| --- | --- |
| **sqlite> select \* from artists orderby name;**  Error: near "name": syntax error  sqlite> select \* from artists order by name;  11|1000 Maniacs  86|10cc  66|AC DC  152|Aerosmith  178|Alice Cooper  104|Allan Holdsworth  69|Animals  73|Arlo Guthrie  16|Axel Rudi Pell  145|B.B. King  163|Bachman Turner Overdrive  189|Bad Company  51|Be Bop Deluxe  181|Beatles  135|Bernie Torme  98|Beth Orton  154|Biffy Clyro  4|Big Brother & The Holding Company  176|Billy Idol  188|Billy Joel  191|Black Crowes  133|Black Keys  44|Black Oak Arkansas  62|Black River Project  36|Black Sabbath  72|Blackbeard's Tea Party  9|Blaster Bates  114|Blue Öyster Cult  139|Bo Didley  119|Bob Marley  54|Bon Jovi  124|Bonzo Dog Band  65|Bruce Springsteen  18|Budgie  97|Camel  164|Captain Beefheart  120|Carl Orff  38|Carole King  201|Chemical Brothers  40|Chopyn  167|Chumbawamba  158|Clannad  19|Commitments  161|Corey Taylor  126|Cream  14|Crosby Stills Nash & Young  41|Darkness  105|David Bowie  196|Deep Purple  35|Dio  134|Dire Straits  137|Doors  37|Dr Feelgood  182|DragonForce  110|Dread Zeppelin  32|Dream Theater  30|Dusty Springfield  128|Edvard Grieg  2|Elf  112|Emerson Lake & Palmer  20|Enigma  108|Ennio Morricone  166|Eric Clapton  165|Eric Serra  125|Evanescence  79|Extreme  142|Faith No More  92|Fleetwood Mac  53|Florence And The Machine  93|Foo Fighters  150|Foreigner  140|Frank Zappa  60|Frank Zappa Captain Beefheart & The Mothers  101|Free  194|Garbage  184|Gary Moore  116|Genesis  15|George Thorogood & The Destroyers  149|Gorillaz  168|Grover Washinton Jr  58|Guess Who  169|Guns N' Roses  28|Hawkwind  25|Hayseed Dixie  39|Heart  185|Heaven & Hell  113|Horslips  155|Howlin' Wolf  80|Ian Gillan  174|Iggy Pop  34|Imelda May  8|Iron Maiden  151|J.J. Cale  88|Jakatta  159|Jeff Buckley  55|Jefferson Airplane  77|Jefferson Starship  90|Jimi Hendrix  42|Jimmy Page & Robert Plant  132|Joe Bonamassa  146|Joe Satriani  83|John Lee Hooker  85|John Martyn  187|John Paul Jones  183|Jools Holland  106|Judas Priest  91|Kate Bush  21|Kevin Bloody Wilson  131|King Crimson  162|Kula Shaker  17|Leaf Hound  75|Leatherat  64|Led Zeppelin  117|Lenny Kravitz  81|Lone Star  45|Lou Reed  103|Madonna  1|Mahogany Rush  68|Man  47|Manfred Mann  156|Marillion  143|Meat Loaf  3|Mehitabel  129|Meredith Brooks  192|Metallica  100|Michael Moorcock and the Deep Fix  49|Mood Elevator  57|Mountain  111|Mumford & Sons  141|Mussorgsky  13|Nazareth  144|Neutrons  95|New Model Army  122|O.S.T.  46|Oasis  52|Ozric Tentacles  76|Ozzy Osbourne  26|Paco De Lucia  6|Pat Benatar  190|Patti Smith  186|Paul Giovanni  89|Pearl Jam  33|Peter Gabriel  195|Pink Fairies  130|Pink Floyd  22|Pixies  24|Pressgang  118|Primordial Soup  10|Procol Harum  70|Prokofiev  171|Queen  87|Rachel Portman  160|Rainbow  138|Richard Ashcroft  94|Robert Calvert  56|Rolling Stones  7|Rory Gallagher  5|Roy Harper  74|Ry Cooder  175|Seasick Steve  78|Smetana  31|Soundtracks  177|Split Whiskers  29|Status Quo  107|Steely Dan  96|Steppenwolf  180|Steve Hackett  170|Steve Harley & Cockney Rebel  173|Steve Hillage  61|Steve Vai  200|Stevie Ray Vaughan  157|Stone Roses  172|Sweet  197|T.Rex  27|Ted Nugent  109|Terry Reid  102|The Clan  121|The Killers  71|Thin Lizzy  199|Thomas Tallis  147|Thunder  127|Tom Jones  99|Tom Lehrer  198|Tom Petty & The Heartbreakers  48|Tomita  63|Treatment  153|Troggs  193|U2  115|UFO  82|Uriah Heep  84|Van Halen  43|Vangelis  136|Velvet Revolver  67|Velvet Underground  59|Vladimir Vysotsky  50|Warner E Hodges  123|White Zombie  12|Wishbone Ash  148|Yardbirds  179|Yngwie Malmsteen  23|ZZ Top | **sqlite> select \* from artists order by name collate nocase;**  11|1000 Maniacs  86|10cc  66|AC DC  152|Aerosmith  178|Alice Cooper  104|Allan Holdsworth  69|Animals  73|Arlo Guthrie  16|Axel Rudi Pell  145|B.B. 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| **sqlite> select \* from artists order by name desc;**  23|ZZ Top  179|Yngwie Malmsteen  148|Yardbirds  12|Wishbone Ash  123|White Zombie  50|Warner E Hodges  59|Vladimir Vysotsky  67|Velvet Underground  136|Velvet Revolver  43|Vangelis  84|Van Halen  82|Uriah Heep  115|UFO  193|U2  153|Troggs  63|Treatment  48|Tomita  198|Tom Petty & The Heartbreakers  99|Tom Lehrer  127|Tom Jones  147|Thunder  199|Thomas Tallis  71|Thin Lizzy  121|The Killers  102|The Clan  109|Terry Reid  27|Ted Nugent  197|T.Rex  172|Sweet  157|Stone Roses  200|Stevie Ray Vaughan  61|Steve Vai  173|Steve Hillage  170|Steve Harley & Cockney Rebel  180|Steve Hackett  96|Steppenwolf  107|Steely Dan  29|Status Quo  177|Split Whiskers  31|Soundtracks  78|Smetana  175|Seasick Steve  74|Ry Cooder  5|Roy Harper  7|Rory Gallagher  56|Rolling Stones  94|Robert Calvert  138|Richard Ashcroft  160|Rainbow  87|Rachel Portman  171|Queen  70|Prokofiev  10|Procol Harum  118|Primordial Soup  24|Pressgang  22|Pixies  130|Pink Floyd  195|Pink Fairies  33|Peter Gabriel  89|Pearl Jam  186|Paul Giovanni  190|Patti Smith  6|Pat Benatar  26|Paco De Lucia  76|Ozzy Osbourne  52|Ozric Tentacles  46|Oasis  122|O.S.T.  95|New Model Army  144|Neutrons  13|Nazareth  141|Mussorgsky  111|Mumford & Sons  57|Mountain  49|Mood Elevator  100|Michael Moorcock and the Deep Fix  192|Metallica  129|Meredith Brooks  3|Mehitabel  143|Meat Loaf  156|Marillion  47|Manfred Mann  68|Man  1|Mahogany Rush  103|Madonna  45|Lou Reed  81|Lone Star  117|Lenny Kravitz  64|Led Zeppelin  75|Leatherat  17|Leaf Hound  162|Kula Shaker  131|King Crimson  21|Kevin Bloody Wilson  91|Kate Bush  106|Judas Priest  183|Jools Holland  187|John Paul Jones  85|John Martyn  83|John Lee Hooker  146|Joe Satriani  132|Joe Bonamassa  42|Jimmy Page & Robert Plant  90|Jimi Hendrix  77|Jefferson Starship  55|Jefferson Airplane  159|Jeff Buckley  88|Jakatta  151|J.J. 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