

# Example Resultset Before Grouping

Album	Artist	Title
Colour	Andy Hunter	Stars (feat. Mark Underdown)
Colour	Andy Hunter	Smile (feat. Midge Ure)
Life	Andy Hunter	Wonderful
Life	Andy Hunter	Lifelight
Life	Andy Hunter	To Life, to Love
Fade Into Darkness (Remixes) - EP	Avicii	Fade Into Darkness (Vocal Club Mix)
Nyan Cat	Blake Robinson	Nyan Cat the Movie
Emotional Technology	BT	The Great Escape
Emotional Technology	BT	Communicate
Movement In Still Life	BT	Dreaming
These Humble Machines	BT	Every Other Way
This Binary Universe	BT	1.618
This Binary Universe	BT	The Antikythera Mechanism
This Binary Universe	BT	Good Morning Kaia
Conjure One	Conjure One	Center Of the Sun
Conjure One	Conjure One	Pandora
Conjure One	Conjure One	Sleep
Extraordinary Ways	Conjure One	Face the Music
Extraordinary Ways	Conjure One	I Believe
Extraordinary Ways	Conjure One	Into The Escape
Daft Punk - Tron Legacy OST (2010)	Daft Punk	The Game Has Changed
Daft Punk - Tron Legacy OST (2010)	Daft Punk	C.L.U.
Daft Punk - Tron Legacy OST (2010)	Daft Punk	Arrival
Daft Punk - Tron Legacy OST (2010)	Daft Punk	Flynn Lives
Daft Punk - Tron Legacy OST (2010)	Daft Punk	TRON Legacy (End Titles)
Bastion (Original Soundtrack)	Darren Korb	Bynn the Breaker
Divergent Spectrum	Ellie Goulding	Lights (Bassnectar Remix)
What Is Love - EP	Haddaway	What Is Love (Single Mix)
Insides	Jon Hopkins	Vessel
Insides	Jon Hopkins	Wire
Insides	Jon Hopkins	Light Through the Veins (David Holmes Remix)
Portal	Jonathan Coulton (Portal)	Still Alive
Hedonist	Martin Solveig	Rejection
Hedonist	Martin Solveig	Jealousy
Hello - Single	Martin Solveig & Dragonette	Hello
Miike Snow	Miike Snow	Silvia
Miike Snow	Miike Snow	Sans soleil
Absolution	Muse	Time is Running Out
Black Holes & Revelations	Muse	Supermassive Black Hole
Black Holes & Revelations	Muse	Map of the Problematique
Origin Of Symmetry	Muse	New Born
Origin Of Symmetry	Muse	Bliss
Origin Of Symmetry	Muse	Dark Shines
The Resistance	Muse	Uprising
The Resistance	Muse	Undisclosed Desires
Uprising	Muse	Uprising
Charleston Butterfly - EP	Parov Stelar	Chambermaid Swing
Charleston Butterfly - EP	Parov Stelar	Room Service
Coco, Pt. 2	Parov Stelar	The Mojo Radio Gang (Radioversion)
Coco, Pt. 2	Parov Stelar	Ragtime Cat (feat. Lilja Bloom)
Coco, Pt. 2	Parov Stelar	Catgroove
The Paris Swing Box	Parov Stelar	Baska Brother
The Paris Swing Box	Parov Stelar	The Golden Boy
Colour the Small One	Sia	Breathe Me
All Star Smash Hits	Smash Mouth	All Star
All Star Smash Hits	Smash Mouth	Walkin' On the Sun
All Star Smash Hits	Smash Mouth	Then the Morning Comes
All Star Smash Hits	Smash Mouth	I'm a Believer
Genetic World	Telepopmusik	Breathe
Flood	They Might Be Giants	Istanbul
Emergence	Trifonic	Parks On Fire
Emergence	Trifonic	Good Enough

SELECT album.title, artist.name, song.title  
FROM song  
INNER JOIN artist ON artist.id = song.artist\_id  
INNER JOIN album ON album.id = song.album\_id

# Using An Aggregate Without Grouping

COUNT(Title)
62

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Colour	Andy Hunter	Stars (feat. Mark Underdown)
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Life	Andy Hunter	To Life, to Love
Fade Into Darkness (Remixes) - EP	Avicii	Fade Into Darkness (Vocal Club Mix)
Nyan Cat	Blake Robinson	Nyan Cat the Movie

```
SELECT COUNT(song.title)
FROM song
INNER JOIN artist ON artist.id = song.artist_id
INNER JOIN album ON album.id = song.album_id
```

# Grouping by Artist's Name

Artist	COUNT(Title)
Andy Hunter	5
Avicii	1
Blake Robinson	1
BT	7
Conjure One	6
Daft Punk	5
Darren Korb	1
Ellie Goulding	1
Haddaway	1
Jon Hopkins	3
Jonathan Coulton (Portal)	1
Martin Solveig	2
Martin Solveig & Dragonette	1
Miike Snow	2
Muse	9
Parov Stelar	7
Sia	1
Smash Mouth	4
Telepopmusik	1
They Might Be Giants	1
Trifonic	2

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Colour	Andy Hunter	Stars (feat. Mark Underdown)
Colour	Andy Hunter	Smile (feat. Midge Ure)
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Life	Andy Hunter	Lifelight
Life	Andy Hunter	To Life, to Love
Fade Into Darkness (Remixes) - EP	Avicii	Fade Into Darkness (Vocal Club Mix)
Nyan Cat	Blake Robinson	Nyan Cat the Movie

```
SELECT artist.name, COUNT(song.title)
FROM song
INNER JOIN artist ON artist.id = song.artist_id
INNER JOIN album ON album.id = song.album_id
GROUP BY artist.name
```

Results split into 3 because there are 3 unique artist names



# Grouping by Artist's Name Then Album

Album	Artist	COUNT(Title)
Colour	Andy Hunter	2
Life	Andy Hunter	3
Fade Into Darkness (Remixes) - EP	Avicii	1
Nyan Cat	Blake Robinson	1
Emotional Technology	BT	2
Movement In Still Life	BT	1
These Humble Machines	BT	1
This Binary Universe	BT	3
Conjure One	Conjure One	3
Extraordinary Ways	Conjure One	3
Daft Punk - Tron Legacy OST (2010)	Daft Punk	5
Bastion (Original Soundtrack)	Darren Korb	1
Divergent Spectrum	Ellie Goulding	1
What Is Love - EP	Haddaway	1
Insides	Jon Hopkins	3
Portal	Jonathan Coulton (Portal)	1
Hedonist	Martin Solveig	2
Hello - Single	Martin Solveig & Dragonette	1
Miike Snow	Miike Snow	2
Absolution	Muse	1
Black Holes & Revelations	Muse	2
Origin Of Symmetry	Muse	3
The Resistance	Muse	2
Uprising	Muse	1
Charleston Butterfly - EP	Parov Stelar	2
Coco, Pt. 2	Parov Stelar	3
The Paris Swing Box	Parov Stelar	2
Colour the Small One	Sia	1
All Star Smash Hits	Smash Mouth	4
Genetic World	Telepopmusik	1
Flood	They Might Be Giants	1
Emergence	Trifonic	2

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Colour	Andy Hunter	Stars (feat. Mark Underdown)
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Life	Andy Hunter	Lifelight
Life	Andy Hunter	To Life, to Love
Fade Into Darkness (Remixes) - EP	Avicii	Fade Into Darkness (Vocal Club Mix)
Nyan Cat	Blake Robinson	Nyan Cat the Movie

```

SELECT album.title, artist.name, COUNT(song.title)
FROM song
INNER JOIN artist ON artist.id = song.artist_id
INNER JOIN album ON album.id = song.album_id
GROUP BY artist.name, album.title

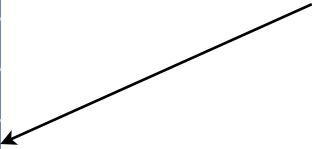
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# Grouping by Song Title Only

Title	COUNT(Title)
Stars (feat. Mark Underdown)	1
Smile (feat. Midge Ure)	1
Wonderful	1
Lifelight	1
To Life, to Love	1
Fade Into Darkness (Vocal Club Mix)	1
Nyan Cat the Movie	1
The Great Escape	1
Communicate	1
Dreaming	1
Every Other Way	1
1.618	1
The Antikythera Mechanism	1
Good Morning Kaia	1
Center Of the Sun	1
Pandora	1
Sleep	1
Face the Music	1
I Believe	1
Into The Escape	1
The Game Has Changed	1
C.L.U.	1
Arrival	1
Flynn Lives	1
TRON Legacy (End Titles)	1
Bynn the Breaker	1
Lights (Bassnectar Remix)	1
What Is Love (Single Mix)	1
Vessel	1
Wire	1
Light Through the Veins (David Holmes Remix)	1
Still Alive	1
Rejection	1
Jealousy	1
Hello	1
Silvia	1
Sans soleil	1
Time is Running Out	1
Supermassive Black Hole	1
Map of the Problematique	1
New Born	1
Bliss	1
Dark Shines	1
Uprising	2
Undisclosed Desires	1
Chambermaid Swing	1
Room Service	1
The Mojo Radio Gang (Radioversion)	1
Ragtime Cat (feat. Lilja Bloom)	1
Catgroove	1
Baska Brother	1
The Golden Boy	1
Breathe Me	1
All Star	1
Walkin' On the Sun	1
Then the Morning Comes	1
I'm a Believer	1
Breathe	1
Istanbul	1
Parks On Fire	1
Good Enough	1

```
SELECT song.title, COUNT(song.title)
FROM song
INNER JOIN artist ON artist.id = song.artist_id
INNER JOIN album ON album.id = song.album_id
GROUP BY song.title
```

Notice the 2?



# Grouping by All 3 Columns

Title	COUNT(Title)
Stars (feat. Mark Underdown)	1
Smile (feat. Midge Ure)	1
Wonderful	1
Lifelight	1
To Life, to Love	1
Fade Into Darkness (Vocal Club Mix)	1
Nyan Cat the Movie	1
The Great Escape	1
Communicate	1
Dreaming	1
Every Other Way	1
1.618	1
The Antikythera Mechanism	1
Good Morning Kaia	1
Center Of the Sun	1
Pandora	1
Sleep	1
Face the Music	1
I Believe	1
Into The Escape	1
The Game Has Changed	1
C.L.U.	1
Arrival	1
Flynn Lives	1
TRON Legacy (End Titles)	1
Bynn the Breaker	1
Lights (Bassnectar Remix)	1
What Is Love (Single Mix)	1
Vessel	1
Wire	1
Light Through the Veins (David Holmes Remix)	1
Still Alive	1
Rejection	1
Jealousy	1
Hello	1
Silvia	1
Sans soleil	1
Time is Running Out	1
Supermassive Black Hole	1
Map of the Problematique	1
New Born	1
Bliss	1
Dark Shines	1
Uprising	1
Undisclosed Desires	1
Uprising	1
Chambermaid Swing	1
Room Service	1
The Mojo Radio Gang (Radioversion)	1
Ragtime Cat (feat. Lilja Bloom)	1
Catgroove	1
Baska Brother	1
The Golden Boy	1
Breathe Me	1
All Star	1
Walkin' On the Sun	1
Then the Morning Comes	1
I'm a Believer	1
Breathe	1
Istanbul	1
Parks On Fire	1
Good Enough	1

```
SELECT song.title, COUNT(song.title)
FROM song
INNER JOIN artist ON artist.id = song.artist_id
INNER JOIN album ON album.id = song.album_id
GROUP BY song.title, album_id, artist_id
```

All Fixed!