

Example Tables

Song			
Id	Title	Album_id	Length
1	Wire	1	4:41
2	Light Through the Veins (David Holmes Remix)	1	6:38
3	Still Alive	2	2:56
4	Rejection	3	4:44
5	Jealousy	3	5:17
6	Hello	4	4:41
7	Silvia	5	6:26
8	Sans soleil	5	4:27
9	Time is Running Out	6	3:56
10	Supermassive Black Hole	7	3:29
11	Map of the Problematique	7	4:19
12	New Born	8	6:04
13	Bliss	8	4:13
14	Dark Shines	8	4:47
15	Uprising	9	5:05
16	Undisclosed Desires	9	3:56

Album		
Id	Title	Artist_id
1	Insides	1
2	Portal	2
3	Hedonist	3
4	Hello - Single	3
5	Miike Snow	4
6	Absolution	5
7	Black Holes & Revelations	5
8	Origin of Symmetry	5
9	The Resistance	5

Artist	
Id	Name
1	Jon Hopkins
2	Jonathan Coulton
3	Martin Solveig
4	Miike Snow
5	Muse

Temp Tables vs. Views

```
CREATE TEMPORARY TABLE album_artists AS  
SELECT *  
FROM album  
INNER JOIN artist ON artist.id = album.artist_id  
WHERE artist.name LIKE 'J%'
```

=

album_artists				
Id	Title	Artist_id	Id	Name
1	Insides	1	1	Jon Hopkins
2	Portal	2	2	Jonathan Coulton

Best practice: append
a _v to views

```
CREATE VIEW album_artists_v AS  
SELECT *  
FROM album  
INNER JOIN artist ON artist.id = album.artist_id  
WHERE artist.name LIKE 'J%'
```

=

```
SELECT *  
FROM album  
INNER JOIN artist ON artist.id = album.artist_id  
WHERE artist.name LIKE 'J%'
```

Adding the 'Rating' Column

Album		
Id	Title	Artist_id
1	Insides	1
2	Portal	2
3	Hedonist	3
4	Hello - Single	3
5	Miike Snow	4
6	Absolution	5
7	Black Holes & Revelations	5
8	Origin of Symmetry	5
9	The Resistance	5

Artist		
Id	Name	Rating
1	Jon Hopkins	5
2	Jonathan Coulton	4
3	Martin Solveig	4
4	Miike Snow	5
5	Muse	5



Let's add a new column!

Results of Query After New Column

```
SELECT *  
FROM album_artists
```

Id	Title	Artist_id	Id	Name
1	Insides	1	1	Jon Hopkins
2	Portal	2	2	Jonathan Coulton

```
SELECT *  
FROM album_artists_v
```

Id	Title	Artist_id	Id	Name	Rating
1	Insides	1	1	Jon Hopkins	5
2	Portal	2	2	Jonathan Coulton	4



Here's the new column.
Only in the View!