

1. Joining tables

- 1) Display band's name for artists with id 10-21.

SELECT

a.artist_id,
a.band_id,
b.band_name

FROM artist a

JOIN band b ON a.band_id = b.band_id

WHERE b.band_id BETWEEN 10 AND 21

	Data Output	Explain	Messages	Notifications
	artist_id integer	band_id integer	band_name character varying (50)	
1	3	11	Corwin Group	
2	4	11	Corwin Group	
3	6	10	Schumm LLC	
4	17	15	VonRueden, Hand and Schmeler	
5	18	15	VonRueden, Hand and Schmeler	
6	35	18	Schaefer Inc	
7	41	16	Cormier LLC	
8	72	10	Schumm LLC	
9	80	12	Gibson Group	

- 2) Present 'title' for songs recorded after 2000 by bands from Indonesia. Results should be group by: year, band and title.

SELECT

s.title song_title,
b.band_name band,
b.country,
c.year

FROM band b

JOIN cd c ON b.band_id = c.band_id

JOIN song s ON s.cd_id = c.cd_id

WHERE c.year > '2000' AND b.country = 'Indonesia'

GROUP BY country, year, band, song_title

	Data Output	Explain	Messages	Notifications
	song_title text	band character varying (50)	country character varying (50)	year integer
1	nunc proin at turpis	Satterfield-Becker	Indonesia	2001
2	justo nec condimentum neque	Mante LLC	Indonesia	2005
3	libero nam	Mante LLC	Indonesia	2005
4	suspendisse accumsan tortor	Mante LLC	Indonesia	2005
5	iaculis justo	Kirlin-Conroy	Indonesia	2006
6	odio porttitor id	Kirlin-Conroy	Indonesia	2006
7	vivamus	Bosco, Swift and McGlynn	Indonesia	2009
8	amet nunc viverra dapibus	Purdy, Langosh and Ortiz	Indonesia	2010
9	libero rutrum	Ryan Group	Indonesia	2010
10	morbi ut odio	Ryan Group	Indonesia	2010

- 3) Display artist_id from table 'artist' and column 'integer' from table 'data' when 'artist_id' is less than 15.

SELECT




a.artist_id,

integer

FROM artist a

LEFT OUTER JOIN data d ON d.data_id = a.artist_id

WHERE a.artist_id < 15

Data Output		Explain	Messa
	 artist_id integer	 integer integer	
1		1	12
2		2	12
3		3	1
4		4	567
5		5	9000
6		6	[null]
7		7	12
8		8	[null]
9		9	6
10		10	9
11		11	[null]
12		12	[null]
13		13	[null]
14		14	[null]