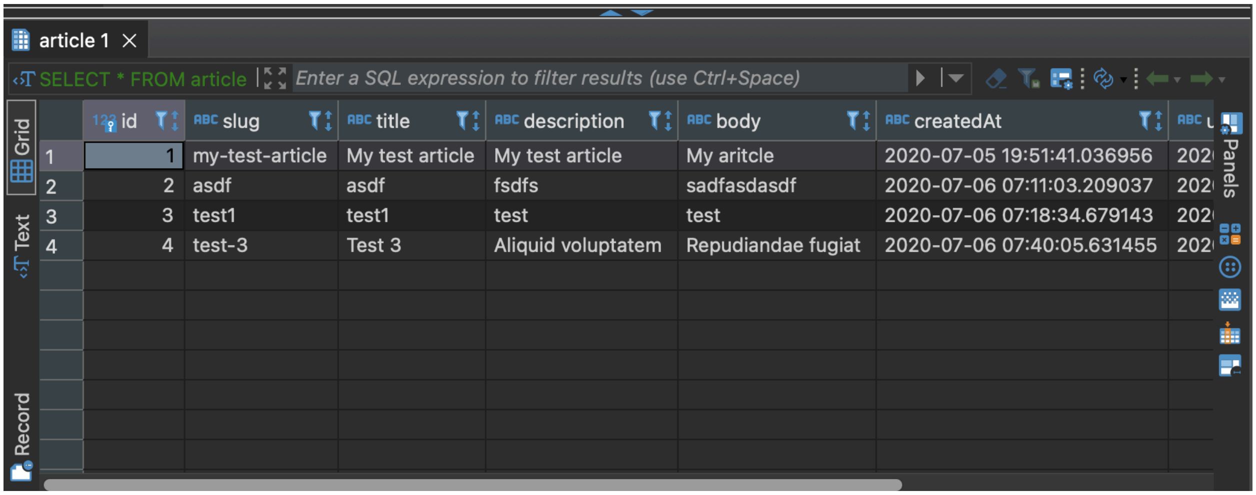
Homework: SQL JOIN is back

Example:

1. Select all articles from the **article** table.
   Command:

```
Unset
SELECT * FROM article;
```

Screenshot of the result:



article 1

SELECT * FROM article

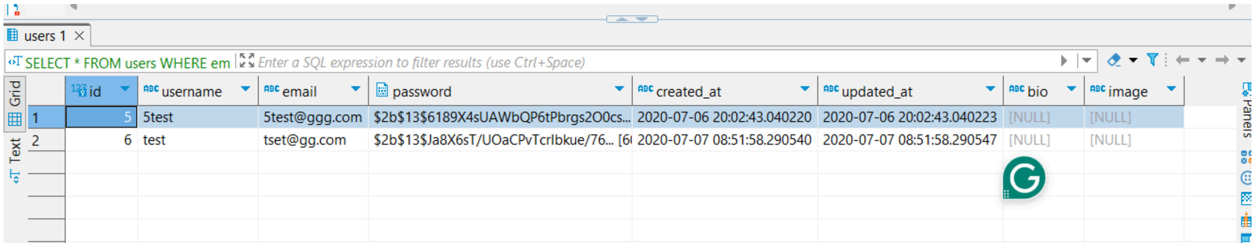
	id	slug	title	description	body	createdAt	u
1	1	my-test-article	My test article	My test article	My aritcle	2020-07-05 19:51:41.036956	202
2	2	asdf	asdf	fsdfs	sadfasdasdf	2020-07-06 07:11:03.209037	202
3	3	test1	test1	test	test	2020-07-06 07:18:34.679143	202
4	4	test-3	Test 3	Aliquid voluptatem	Repudiandae fugiat	2020-07-06 07:40:05.631455	202

----

1. Select all **users** whose email does not end with @gmail.com.
   Command:

```
Unset
SELECT *
FROM users
WHERE email NOT LIKE '&@gmail.com';
```

Screenshot of the result:



users 1

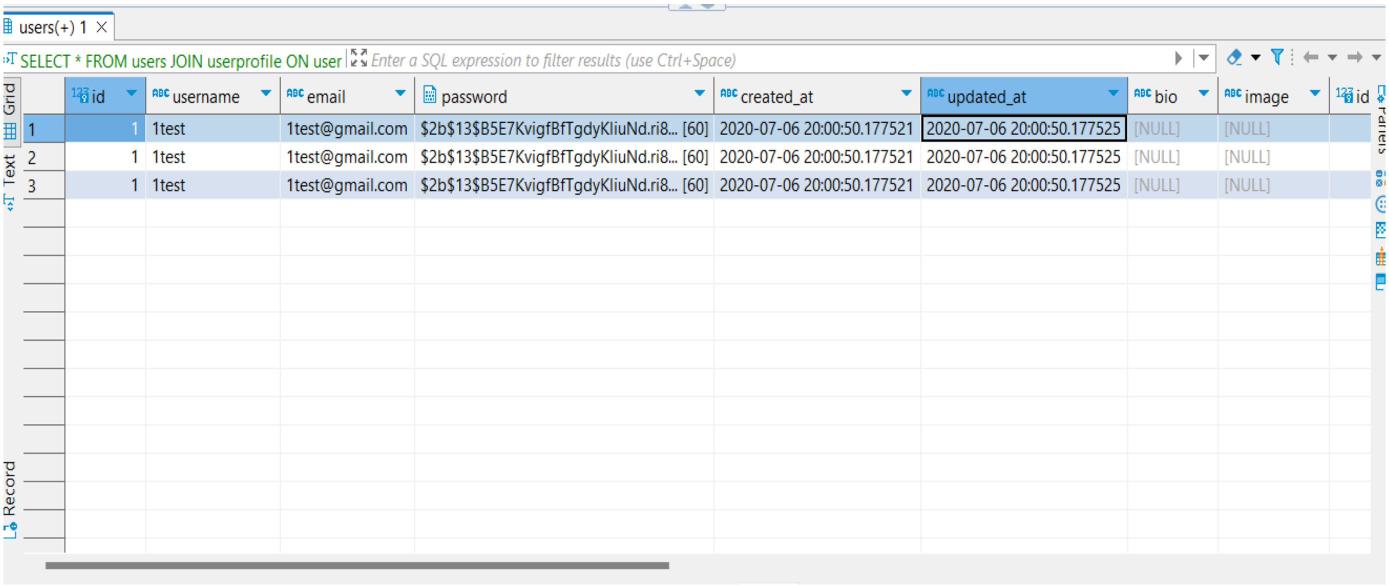
SELECT * FROM users WHERE em

	id	username	email	password	created_at	updated_at	bio	image
1	5	5test	5test@ggg.com	$2b$13$6189X4sUAWbQP6tPbrgs2O0cs...	2020-07-06 20:02:43.040220	2020-07-06 20:02:43.040223	[NULL]	[NULL]
2	6	test	tset@gg.com	$2b$13$Ja8X6sT/UOaCPvTcrlbkue/76... [6	2020-07-07 08:51:58.290540	2020-07-07 08:51:58.290547	[NULL]	[NULL]

2. Select all **articles** that were written by user 1test and created between 2020-07-5 and 2020-07-7 (included), and order by a descending created date.
   Command:

```
Unset
SELECT *
FROM users
JOIN userprofile
ON users.id = userprofile.user_id
JOIN article
ON userprofile.id = article.author_id
WHERE createdAt BETWEEN '2020-07-05' AND '2020-07-07' AND username = '1test'
ORDER BY createdAt DESC;
```

   Screenshot of the result:



SELECT * FROM users JOIN userprofile ON user

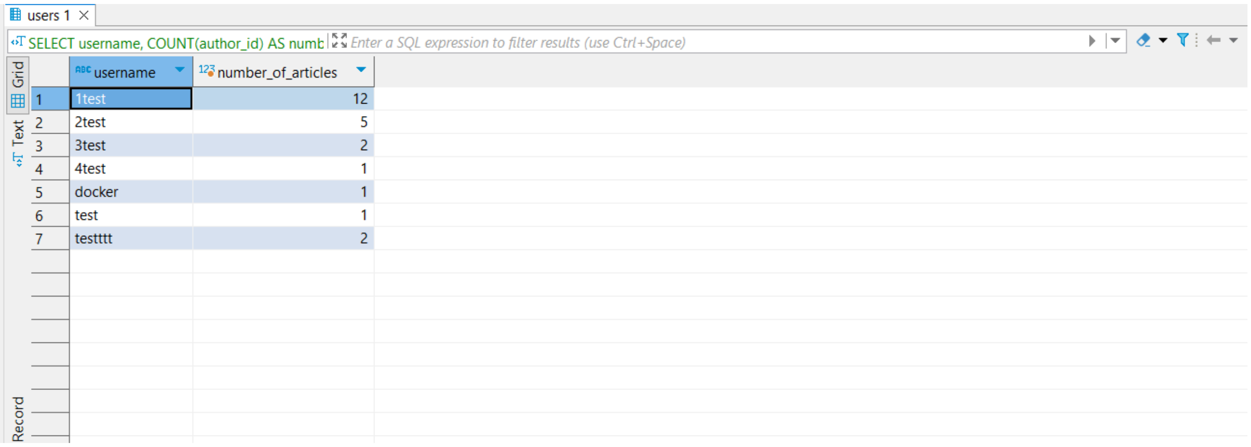
	id	username	email	password	created_at	updated_at	bio	image	id
1	1	1test	1test@gmail.com	$2b$13$B5E7KvigfBfTgdyKliuNd.ri8... [60]	2020-07-06 20:00:50.177521	2020-07-06 20:00:50.177525	[NULL]	[NULL]	
2	1	1test	1test@gmail.com	$2b$13$B5E7KvigfBfTgdyKliuNd.ri8... [60]	2020-07-06 20:00:50.177521	2020-07-06 20:00:50.177525	[NULL]	[NULL]	
3	1	1test	1test@gmail.com	$2b$13$B5E7KvigfBfTgdyKliuNd.ri8... [60]	2020-07-06 20:00:50.177521	2020-07-06 20:00:50.177525	[NULL]	[NULL]	

3. Select the usernames of **users** and the number of articles written by these users. Command:

Unset

```
SELECT username, COUNT(author_id) AS number_of_articles
FROM users
JOIN userprofile
ON users.id = userprofile.user_id
JOIN article
ON userprofile.id = article.author_id
GROUP BY username;
```

Screenshot of the result:


users 1
SELECT username, COUNT(author_id) AS numb
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
Text
Record

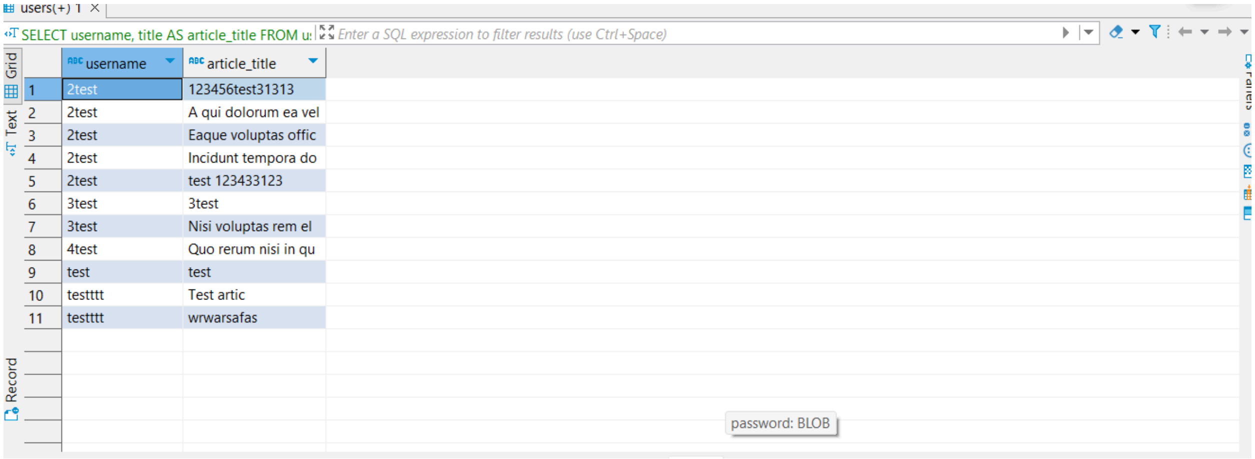
	username	number_of_articles
1	1test	12
2	2test	5
3	3test	2
4	4test	1
5	docker	1
6	test	1
7	testttt	2

4. Select all users who have favorite articles
   Command:

Unset

```
SELECT username, title AS article_title
FROM users
JOIN userprofile
ON users.id = userprofile.user_id
JOIN article
ON userprofile.user_id = article.author_id
JOIN favoritor_assoc
ON article.author_id = favoritor_assoc.favoriter
GROUP BY username, article_title;
```

Screenshot of the result:



```
SELECT username, title AS article_title FROM u:
```

	username	article_title
1	2test	123456test31313
2	2test	A qui dolorum ea vel
3	2test	Eaque voluptas offic
4	2test	Incidunt tempora do
5	2test	test 123433123
6	3test	3test
7	3test	Nisi voluptas rem el
8	4test	Quo rerum nisi in qu
9	test	test
10	testttt	Test artic
11	testttt	wrwarsafas