

Unit 1.2 Graded Assignment: 2

Instructions:

Create a new SQLFiddle and then add the database from db.sql (provided in [tasks/1_introduction/day_2_basic_tooling/hands_on_sql](#)) to be able to perform queries.

Your task then is to do two things:

1. Insert two articles written by Joe (`id` 3) into `articles` table (choosing the titles is up to you).
2. Write a query that will return you a list of articles written by authors who are at least 25 years old.

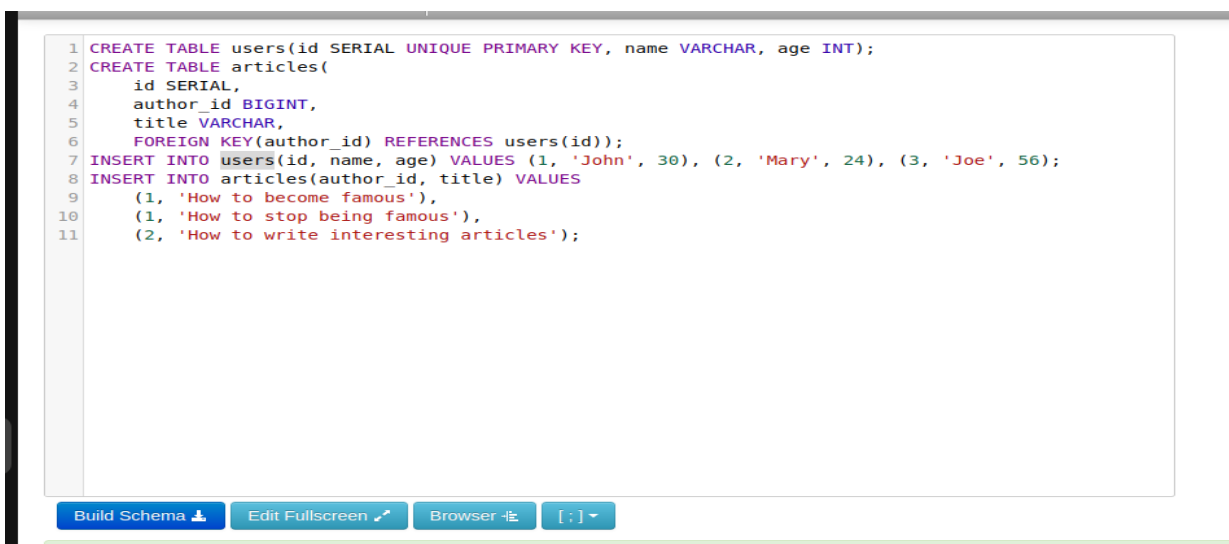
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Solution:

In this assignment we have Create a new SQLFiddle

1. we open SQLFiddle in web browser and create new schema by adding our db.sql file in left side of window in SQLFiddle



```
1 CREATE TABLE users(id SERIAL UNIQUE PRIMARY KEY, name VARCHAR, age INT);
2 CREATE TABLE articles(
3     id SERIAL,
4     author_id BIGINT,
5     title VARCHAR,
6     FOREIGN KEY(author_id) REFERENCES users(id));
7 INSERT INTO users(id, name, age) VALUES (1, 'John', 30), (2, 'Mary', 24), (3, 'Joe', 56);
8 INSERT INTO articles(author_id, title) VALUES
9     (1, 'How to become famous'),
10    (1, 'How to stop being famous'),
11    (2, 'How to write interesting articles');
```

Build Schema Edit Fullscreen Browser [;]

2. second we have to add two record that is two articles written by Joe (id=3) by writing insert query in right side of window in SQLFiddle which is our first task

```
1 INSERT INTO articles(author_id, title) VALUES
2     (3, 'How to become python'),
3     (3, 'How to stop being java');
4
5 select * from articles;
6
```

the output we get after running above query is giving below by using select query

✓ Record Count: 0; Execution Time: 2ms + View Execution Plan → link		
id	author_id	title
1	1	How to become famous
2	1	How to stop being famous
3	2	How to write interesting articles
20	3	How to become python
21	3	How to stop being java

✓ Record Count: 5; Execution Time: 7ms + View Execution Plan → link		
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3. Now we have to extract data from database that is list of articles written by authors who are at least 25 years old. By using select query with join and where clause

```
8 select u.id,u.age,a.author_id,a.title from users u join
9     |articles a on u.id =a.author_id where u.age>=25;
```

the output we get after running above query is giving below

id	age	author_id	title
1	30	1	How to become famous
1	30	1	How to stop being famous
3	56	3	How to become python
3	56	3	How to stop being java

✓ Record Count: 4; Execution Time: 2ms + View Execution Plan → link			
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Did this query solve the problem? If so, consider donating \$5 to help make sure SQL Fiddle will be here next time you need help with a database problem. Thank!

Improve Fiddle