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## Assignment no 1.2(B)

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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 to you a list of articles written by authors who are at least 25 years old.

### Sqlfiddle:

SELECT \* FROM articles;

SELECT \* FROM users INNER JOIN articles ON users.id = articles.author\_id

WHERE users.age >= 25;

The screenshot shows the SQLFiddle interface with a PostgreSQL database. The left pane contains the following SQL code:

```
1 CREATE TABLE users (  
2   id SERIAL UNIQUE PRIMARY KEY,  
3   name VARCHAR,  
4   age INT);  
5 CREATE TABLE articles(  
6   id SERIAL,  
7   author_id BIGINT,  
8   title VARCHAR,  
9   FOREIGN KEY(author_id) REFERENCES users(id));  
10 INSERT INTO users (id, name, age) VALUES (1, 'John', 30), (2, 'Mary', 24), (3, 'Joe', 56);  
11 INSERT INTO articles (author_id, title) VALUES  
12 (1, 'How to become famous'),  
13 (1, 'How to stop being famous'),  
14 (2, 'How to write interesting articles'),  
15 (3, 'Just a sample entry'),  
16 (3, 'Is it working though?'),  
17 (3, 'This is a sql fiddle'),  
18 (3, 'This is a database');
```

The right pane contains the following SQL query:

```
1 SELECT * FROM articles;  
2 SELECT * FROM users INNER JOIN articles ON users.id = articles.author_id  
3 WHERE users.age >= 25;
```

The bottom section shows the results of the queries. The first query returns all articles, and the second query returns articles written by authors aged 25 or older.

id	author_id	title
1	1	How to become famous
2	1	How to stop being famous
3	2	How to write interesting articles
4	3	Just a sample entry
5	3	Is it working though?
6	3	This is a sql fiddle
7	3	This is a database

Record Count: 7; Execution Time: 30ms

SQL Fiddle PostgreSQL 9.6 View Sample Fiddle Clear Text to DDL Donate About

Build Schema Edit Fullscreen Browser Run SQL Edit Fullscreen

id	author_id	title
1	1	How to become famous
2	1	How to stop being famous
3	2	How to write interesting articles
4	3	Just a sample entry
5	3	Is it working though?
6	3	This is a sql fiddle
7	3	This is a database

Record Count: 7; Execution Time: 30ms View Execution Plan link

id	name	age	id	author_id	title
1	John	30	1	1	How to become famous
1	John	30	2	1	How to stop being famous
3	Joe	56	4	3	Just a sample entry
3	Joe	56	5	3	Is it working though?
3	Joe	56	6	3	This is a sql fiddle
3	Joe	56	7	3	This is a database

Record Count: 6; Execution Time: 11ms View Execution Plan link

## Explanation:

Firstly, check the question and then I will check `SELECT * FROM articles` and then I merge the users and articles and use the `INNER JOIN` AND then merge the `user.id` and `author_id` and check the condition which person 25 years old.