

# Aqsa Tauheed (2303-KHI-DEG-011)

## 1.2 Graded Assignment 2

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.

Current Schema:

```
SQL Fiddle PostgreSQL 9.6 View Sample Fiddle Clear Text to DDL

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 stope being famous'),
14 (2, 'How to write interesting articles'),
15 (3, 'Just a sample entry'),
16 (3, 'Is it working though?');

1 INSERT INTO articles(author_id, title) VALUES(3, 'Welcome to the new world'),
2 (3, 'How was your day');
3
4 SELECT * FROM articles;
5
6 SELECT articles.title, users.name
7 FROM articles
8 INNER JOIN users ON users.id=articles.author_id where users.age >= 25;
```

### Task 1:

```
1 INSERT INTO articles(author_id, title) VALUES(3, 'Welcome to the new world'),
2 (3, 'How was your day');
3
4 SELECT * FROM articles;
```

### Output:

Record Count: 0; Execution Time: 1ms + View Execution Plan link

id	author_id	title
1	1	How to become famous
2	1	How to stope being famous
3	2	How to write interesting articles
4	3	Just a sample entry
5	3	Is it working though?
8	3	Welcome to the new world
9	3	How was your day

### Task 2:

```
6 SELECT articles.title, users.name
7 FROM articles
8 INNER JOIN users ON users.id=articles.author_id where users.age >= 25;
```

### Output:

✔ Record Count: 7; Execution Time: 11ms + [View Execution Plan](#) ➡ [link](#)

title	name
How to become famous	John
How to stop being famous	John
Just a sample entry	Joe
Is it working though?	Joe
Welcome to the new world	Joe
How was your day	Joe

✔ Record Count: 6; Execution Time: 2ms + [View Execution Plan](#) ➡ [link](#)