



SQL Assignment

1. Create a database called blog

```
CREATE DATABASE blog;  
USE blog;
```

2. Create a table called users that stores the following data about users:

- First name
- Last name
- User name
- Email
- And an id field

```
CREATE TABLE users (  
    id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
    first_name VARCHAR(15) NOT NULL,  
    last_name VARCHAR(15) NOT NULL,  
    username VARCHAR(30) NOT NULL,  
    email VARCHAR(30) NOT NULL,  
)
```

3. Insert two users into the table

```
INSERT INTO users  
(first_name, last_name, username, email)  
VALUES  
("Edges", "Training", "edges", edges@edges.com'),  
("John", "Doe", "john", "john@edges.com");
```

4. Show the user tables to make sure the data was inserted properly

```
SELECT * FROM users;
```

5. Create a Table called posts that stores the following data about users:

- An id field
- Content
- User_id (representing the user that created the post)

```
CREATE TABLE posts (  
    id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
    content TEXT NOT NULL,  
    user_id INT NOT NULL,  
  
    FOREIGN KEY (user_id) REFERENCES users(id)  
)
```

6. Create a post that is written by user 1

```
INSERT INTO posts  
(content, user_id)  
VALUES  
("Kindly fill the course's feedback form", 1);
```

7. Create a table called comments that has

- An id field
- Content
- User_id (representing the user that created the comment)
- Post_id (representing the post that the comment is on)

```
CREATE TABLE comments (  
    id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
    content TEXT NOT NULL,  
    user_id INT NOT NULL,  
    post_id INT NOT NULL,  
  
    FOREIGN KEY (user_id) REFERENCES users(id)  
    FOREIGN KEY (post_id) REFERENCES posts(id)  
)
```

8. Create a comment that is written by user 2 on post 1

```
INSERT INTO comments  
(content, user_id, post_id)  
VALUES  
("will do!", 2, 1);
```

9. Write a select statement that shows all posts as well as their users

```
SELECT users.id, users.username, posts.id, posts.content  
FROM users  
INNER JOIN posts  
ON users.id = posts.user_id;
```

10. Write a select statement that shows all posts as well as their users as well as the comments on them

```
SELECT users.id, users.username, posts.id, posts.content, comments.content  
FROM posts  
INNER JOIN users  
ON users.id = posts.user_id  
INNER JOIN comments  
ON comments.post_id = posts.id;
```

Thank You
Edges For Training Team