

## Lab Assignment 3 - SQL Foundations

### Instructions

1. Answer the below question in the boxes.
2. Please submit the assignment through TalentLabs Learning System.

### CRUD

1. Which 4 operations does C, R, U, D stand for?

1. C = create
2. R = read
3. U = update
4. D = delete

2. Which 5 SQL keywords that are related to CRUD operations.

1. CREATE
2. INSERT INTO
3. SELECT
4. UPDATE
5. DELETE

3. Consider a messaging app (e.g. Whatsapp). Which app functions can lead to CRUD operations? Suggest at least one app function for each CRUD operation.

1. C = sent message  
2. R = message content  
3. U = edit message  
4. D = delete message

## SQL Data Types

1. Imagine you are building a Whatsapp like app. Name two data fields and the corresponding SQL data types which would be used for storing records of chat messages.

1. date and time = DATETIME  
2. chat = TEXT

2. Name a data type that's not available in SQLite.

Boolean

3. For the data type that's not available in SQLite, what would we use as a replacement? And how?

Use integer 0 and 1. 0 means false and 1 means true

**- End of Assignment -**