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?

|  |
| --- |
| C – Create  R – Read  U – Update  D - Delete |

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

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

Background pattern

Description automatically generated with medium confidence

1. 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.

|  |
| --- |
| Create – Create new message in a chat  Read – Obtain previous message from a chat  Update – Edit and update the profile status or profile picture  Delete – Delete the message from a chat |

## 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. Message, Data type = TEXT  2. Time, Data type = DATETIME |

1. Name a data type that’s not available in SQLite.

|  |
| --- |
| Boolean |

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

|  |
| --- |
| SQLite use integer as a replacement.  In SQLite, 0 as False and 1 as True |

**- End of Assignment -**