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?

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| 1. C – Create 2. R – Read 3. U – Update 4. D - Delete |

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

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

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.

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| 1. C – Sending a new message in a chat 2. R – Viewing a chat message 3. U – Modifying a message 4. D - Delete a 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.

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| 1. Time, Data type – DATETIME 2. Message, Data type - TEXT |

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

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| * BOOLEAN |

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

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| * For the data type that’s not available in SQLite, we use integer as a replacement. In SQLite, 0 means False and 1 means True |

**- End of Assignment -**