

Lab 2 Partial

Explain the distinction among the terms primary key, candidate key, and superkey.

A primary key is used to distinguish each item on a table, usually an ID that can be referenced in other tables. To my understanding, a superkey is used to distinguish each item within its own table and is used with the primary key to identify them, and a candidate key is an entire row where each value is unique and not repeated.

Write a short essay on datatypes. Select a topic for which you might create a table.

Datatypes are fairly self explanatory, they are the types of values that are used. If you were to create a table to keep user-related data for an app subscription, perhaps you would use some of the following: INT(8) for the userID, VARCHAR(28) for the first name, VARCHAR(28) for the last name, VARCHAR(8) for the subscription type (paid, premium, no ads, etc), and DATETIME for the date of joining their subscription. The userID is definitely not nullable, and I would say it is recommended to ensure none of the other values could be null either however I suppose it is still possible.