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Module 5.2 Assignment

CSD 310

11.17.24

For this assignment, I created a basic database with one table (Persons) and 5 columns (PersonID, LastName, FirstName, Address, City) containing randomly generated data. I used the table that is listed as an example on W3 Schools’ SQL CREATE TABLE page.

**Function #1: UPPER**

The upper function is used to convert a string into all uppercase letters. This function can be used to make data consistent and can also mitigate possible capitalization issues.

A screenshot of a computer

Description automatically generated

**Function #2: LOCATE**

The locate function returns the position of a string or substring within a column or a string. Here, I searched for “Sarah” in the FirstName column and can see that this name was found in the fourth row of the column. This makes sense because I know that Sarah Brown’s PersonID is #4. Locate is a useful function, as it allows us to search for specific data within a table.

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**Function #3: REPLACE**

The replace function replaces all incidences of a substring or string with a new string or substring. Here, I replaced the last name “Johnson” with “Johnson-Davis” in the LastName column. This could also be done on the string level rather than with a column. This is useful is there is an error made in the initial data entry, or if data changes, like with name changes, email changes, address changes, etc.

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**References**

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W3Schools. (2019). *SQL CREATE TABLE Statement*. W3schools.com. https://www.w3schools.com/sql/sql\_create\_table.asp

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