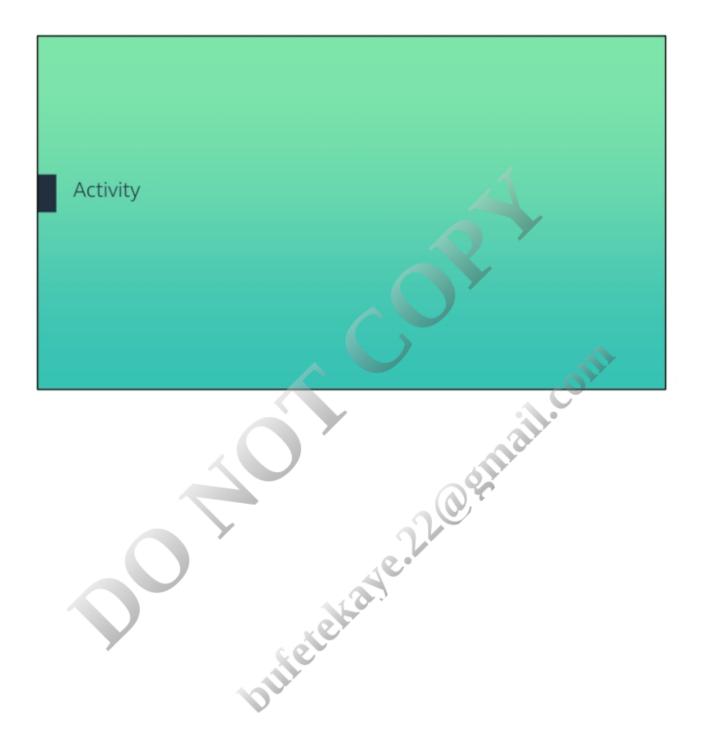


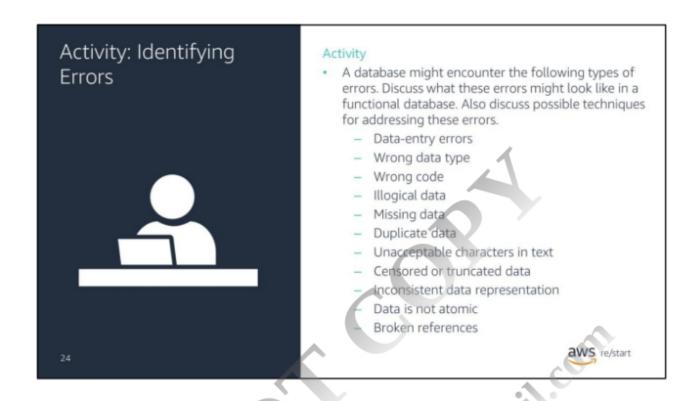


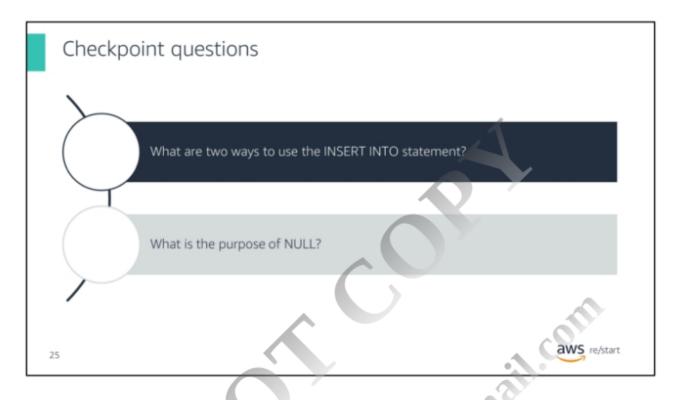
## Cleaning data Data--entry errors Wrong data type Wrong code Illogical data Missing data Duplicate data Unacceptable characters in text Censored or truncated data Inconsistent data representation Data is not atomic Broken references

A database can become disorganized over time, and issues can occur. Some SQL string functions can be used to clean data. Trimming data by using LEFT, RIGHT, and TRIM are ways to select only certain elements of strings and to remove certain characters. You can use CONCAT to combine strings from several columns and put them together. Other statements like LOWER can be used to force every character in a string to lowercase. Similarly, UPPER can be used to make all the letters appear in uppercase.

22





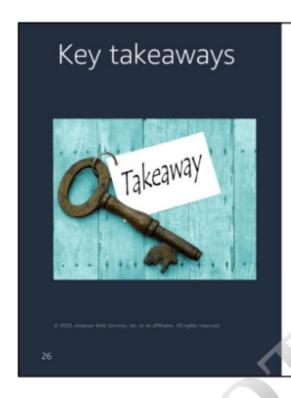


## Answers:

The INSERT INTO statement can be used to add new data to a database.
 The INSERT INTO statement can also add a new record to a table.

biffetelkaye

The term NULL is used to represent a missing value.



- When you insert a row, you must specify a column where the data will go.
- When you test for a NULL value, use the IS NULL and IS NOT NULL commands.
- Databases can become disorganized over time, and issues can occur. Some SQL string functions can be used to clean data.



## Some key takeaways from this lesson include:

- When you insert a row, you must specify a column where the data will go.
- When you test for a NULL value, use the IS NULL and IS NOT NULL commands.
- Databases can become messy over time, and issues can occur. Some SQL string functions can be used to clean data.