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Assignment 1 #5

Provide 4 conceptually different examples that illustrate how the presence or absence of primary and foreign keys affect insert and deletes in these relations.

1. I attempted to insert 2 tuples that contained the same primary key values that already existed in the table Westerosi. This caused an issue where the compiler recognized that the first primary key had existed, but it overlooked the second tuple I attempted to insert. Maybe it just stopped the insert process after encountering an issue and broke out of the clause.
2. The next thing I did was delete a tuple using the wid1 foreign key from the Knows table to see if it would cause an issue. The deletion was performed successfully and removed 3 outputs.
3. Because Knows used the data from Westerosi, I wanted to see what would happen if I attempted to remove a tuple from Westerosi that was being used in Knows. When attempting to remove the tuple, an error was thrown because another table referenced the primary key wid in Westerosi. Although there are multiple tables that use this primary key, this table was mentioned first because it was the first table to use wid in insertion.

4. The last thing I attempted was to insert a tuple into the WesterosiSkill table to see if a primary key value that did not exist in Westerosi would be able to exist in WesterosiSkill.

An error was thrown because that primary key value did not exist in Westerosi.