Relational Database Design - 9/27

Announcements

• Please apply Athena credits to your AWS account so you don't get charged on your credit card!

Reading Quiz

• Q1: D.
• Q2: A. The `Pokemon_Types` table must already exist in the database in order for a foreign key to reference an attribute in this table.
• Q3: A.
• Q4: B. `ON DELETE CASCADE` will removed records from the child table if the referenced record in the parent table is removed.
• Q5: C. The contraint for requiring unique values in a table's attribute is called `UNIQUE`.

Denormalization

When we are interested in processing analytical queries our main concern is not database consistency. We want to make sure that users are not waiting forever for their analytical reports.

A Dimensional Schema is useful for specifying what attributes or measurements are useful for the analyst that is using the data (i.e. what the business cares about).

Practice Problem 1

There are different pluses and downsides to adding fields into existing fact tables or creating new fact tables.