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Database Management

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Relational Rules

The first normal form rule is that the values in the database are in normal form. The values in the database have to be atomic meaning the values cannot be divided into smaller parts. Also, every column in the table must be unique to prevent repeats in the database. An example would be in the last column and there are multiple values then you would have to separate those values in order for it to satisfy the first rule.

First Name	Last Name	Hobbies
Robert	Lee	Soccer, Basketball, Tennis
Finn	Smith	Videogames, watching TV



First Name	Last Name	Hobbies
Robert	Lee	Soccer
Robert	Lee	Basketball
Robert	Lee	Tennis
Finn	Smith	Videogames
Finn	Smith	Watching TV

The “access rows by content only” rule is that you can only ask the question what and not where. You can ask the what the value is, but not where it is located. The rows have to be unique rule is that there are no repetitions inside the table. For example, in the table above there cannot be a row with Robert Lee Soccer because that is a repeat which violates the rule.