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- 2. A primary key is keyword in a relational database that is unique for each record. A candidate key is a column, or set of columns, in a table that can uniquely identify any record without referring to any other data. A superkey is a set of attributes within a table whose values can be used to uniquely identify a row.
- 3. my topic for this table is Runescape. It's a massive multiplay online roleplaying game in a medive setting with a butch of skills to level and items to use. I will create a table called items.

Item Id	Item Name	Equitable	Level Required	Consumable
01	Rope	No	NULL	No
02	Rune PLatebody	Yes	40	No
03	Archers' Ring	Yes	NULL	No
04	Grimy Snapdragon	No	NULL	No
05	Strength Potion	No	NULL	Yes

Item Id, Name, consumable, and Equitable are all not nullable, but Level required is nullable because all items don't require any level to use the item.

- 4. a) First normal form make sure that there are no repeating groups in individual tables, creates a separate table for each set of data, and identifys each set of related data with a primary key. This is important because In this form it will stop any redundant data which can cause issues wen trying to retive the data, expecually if the data has been changed in one table but not another. Having the tables in first normal form will get rid of the chance of having that happen.
- b) This Is important because by using only content to refer to a row will make sure that the user gets exactly what they are looking for. If you say I need the second row from the top it could have change depending on how the data is ordanized or if it was moved or removed from the table.
- c) "all rows must be unique" is also a very important rule because if you have identical rows that means you have redundant data and your tables are not in first normal form. Not only that but whrn someone ties to retrive that data it can cause issues when working with that data.



