1. The point of normalization is to remove redundant data from your database.
2. Yes, a table with a single attribute primary key is automatically in second normal form. This is because without other attributes in the primary key, there can be no partial dependencies, which is how second normal form is achieved.
   1. C3-C8 are all dependent on the primary key of (C1, C2). C4-C7 are all dependent on C2. C8 is dependent on C1. C7 is dependent on C6.
   2. The changes that need to be made to go to 2NF are that we need to split the primary key into two tables. One table will have the primary key of C1, with C3 and C8 as the attributes. The other table will have a primary key of C2 with C4-C7 as the attributes.

A diagram of a diagram

AI-generated content may be incorrect.

* 1. The changes that need to be made to go to 3NF are that the C2 table will need split with C7 becoming the primary key of a new table, with C6 leaving the original table and going into the C7 table as an attribute.

A diagram with arrows pointing to the top

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