Normalization work Document

A close-up of a document

AI-generated content may be incorrect.

A source of data for the database

0NF : is the collection of data from your data source

It is best to look at the labels on your resource document

Employee (**EmployeeID**, EmployeeName, DepartmentNumber, DepartmentName, (ProjectNumber, ProjectName, DepartmentName,WeeklyHours))

1NF: for an entity to be in this normal form:

1. A table MUST contain atomic attributes. (optionally you **could** atomize in 0NF)
2. A table cannot contain any repeating groups of attributes.
   1. Cut the repeating group from the original entity table AND  
      make it its own table
   2. Copy down the primary key in the original entity table to the new entity table **AND** indicate the attribute as a foreign key
   3. Decide on a primary attribute in your new table that is the unique identifier for the table (primary key for the new table)

Employee (**EmployeeID**, EmployeeFirstName, EmployeeLastName DepartmentNumber, DepartmentName,)

Project (**ProjectNumber**, ***EmployeeID***, ProjectName, DepartmentName, WeeklyHours)

With BOTH the projectnumber and employeeid, can I uniquely identify a row in the project table?   
 YES

The result of using two OR more attributes to identify the unique row of the table is called a **composite (compound) key**