

Normalization Worksheet

Name _____

Consider the following example table with three entries:

Name	SalesID	Telephone	DistrictID	DistrictName	DistrictID	DistrictName
Smith	235	3-7103	24	E. Montana	22	W. N.Dakota
Jones	412	3-7098	28	S. Dakota		
Taylor	314	3-7310	31	E. N. Dakota		

A sales representative must always have a name, ID, and telephone. Each representative must have one or more pairs of fields describing their districts. Each district must have a name and ID. Each of the fields depends on the SalesID. The District name depends on the DistrictID.

1. The current table is not in first normal form. Show how the table could be reorganized into a single table in first normal form. Show it with the above data. What would be the key?

2. Now convert this single table into two or more tables in second normal form. Identify which fields are the keys.