**Ch2-PracRel**

**In-Class:** Chapter 2 Practice with Relational Model - In-Class \_\_\_ \_\_\_ \_\_

Perform the following steps:

* Break up the columns of the following spreadsheet into tables such that each table has a separate theme.
* Add ID columns if necessary, and underline the primary key in each table.
* Add linking columns (foreign keys) to maintain the relationship between the themes. Use the proper format for representing relations (shown in Chapter 2 of the textbook and in the Chapter 1 Study Guide).
* Write the referential integrity constraint for each foreign key.

Name of spreadsheet: CHILDREN

* Column Headings:
  + ChildName, ChildAddress, ChildPhone, ParentName, ParentAddress, ParentPhone, TeacherName, TeacherPhone, SchoolName, SchoolAddress, SchoolPhone

CHILD ( ChildName, ChildAddress, ChildPhone, *TeacherPhone*, *ParentName*, *ParentAddress* )

PARENT ( ParentName, ParentAddress, ParentPhone )

TEACHER ( TeacherName, TeacherPhone, *SchoolName* )

SCHOOL ( SchoolName, SchoolAddress, SchoolPhone )

TeacherPhone in CHILD must exist in the TeacherPhone in TEACHER.

(ParentName, ParentAddress) in CHILD must exist in (ParentName, ParentAddress) in PARENT.

SchoolName in TEACHER must exist in SCHOOL.

* Assumptions:
  + Each person has a unique name.
  + Write down any other assumptions you make.