STAT:5400, Computing in Statistics
Fall 2015, Homework 6

Due: Mon. 10/26.

The following fields are contained in a flat file kept by a piano teacher to store information about her students, who are children.

1. Responsible parent's name

2. Home address

3. Phone

4. Monthly lesson fee (single number covering all kids in family)

5. Child 1 name

6. Child 1 birthdate

7. Child 1 date started lessons

8. Child 1 school

9. Child 2 name

10. Child 2 birthdate

11. Child 2 date started lessons

12. Child 2 school

13. Child 3 name

14. Child 3 birthdate

15. Child 3 date started lessons

16. Child 3 school

17. Child 4 name

18. Child 4 birthdate

19. Child 4 date started lessons

20. Child 4 school

Put this data into third normal form (which implies first and second normal forms as well). Write down what tables would be needed, and for each one indicate:

- all fields (including any new ones you add)

- primary key

- foreign key(s) if any

Create a LibreOffice Base (or SQL) database to hold data of this kind. You need only to create the database with appropriate tables and relational links. You do not have to create queries and reports.

To submit your homework, upload a text file with the table descriptions. **You do not need to upload your Base database.**