TLEN5839 Homework 4

Due Thursday 2/11 Noon.

Deliverables

Create a zip file called "YourName-HW4.zip"

It should contain :
- An export of your database.
- ER Diagram.
- Text file described below.

Create a text file containing your name and machine IP address.
In that file include:
- Show tables on the potterDB.
- Include the command and output of:
    - A list of the characters and the houses they belong to.
    - A list of books and the characters in them.
    - A list of students and their favorite spell
    - A list of books sorted by publication date
    - A list of characters by what side of the battle they are on.

Assignment
- Create a database to store the Harry Potter books (or movies).
- You should try to normalize the data as much as possible.
    - You should attempt to minimize duplication of data, to do this use primary and foreign keys.
- Store the following:
    - Characters
    - Houses
    - Example spell for each student
    - Book Title
    - Publication Date
    - Side of the battle (Potter/Voldemort)

Extra Credit
- Create cascading deletes and updates for foreign keys
- Create a table of horcruxes; order of discovery and discoverer.
    - Show queries for horcrux, name of discoverer and house of discoverer.

- Create a table of the Deathly Hallows.
  - Show queries for the owner of all hallows throughout time.