Assignment 1 reading assignment

Assignment 2

Please read the cases below and design the database model and submit the screenshot of the relationships. Please following steps from 1 through 6 in the database design process from the database design tutorial. Here are the case studies:  
1. Cakes and Fudges - Design a database for Cakes & Fudge, a mail-order company that serves chocolate delicacies to a large audience of chocolate-crazed customers. Their daring chefs are always innovating, and they need a better way to manage their ever-growing catalog of chocolate goodness. They also need a way to keep track of customers and the orders they make.  
2. The Music School - Cacophoné Studios runs a medium-sized music school. They have a fixed series of courses in mind, and a roster of teachers that can fill in for most of them. They also have a long list of past and potential customers. Last year, a small catastrophe happened when 273 students were crammed into the same class and no teacher was assigned to teach it. (Next door, a class of 14 had somehow ended up with three instructors.) They're hoping that Access can help them avoid the same embarrassment this time around.  
  
Please read the case studies properly. Your design should take care of the challenges described in the problem statement.

Assignment 3

Create the following two databases using Mysql :  
1. Create a books database information portal to track information about books, authors, publisher.  
2. create a database to track information about an office stationary database .  
  
(Please refer to the queries given in the Excel Sheet under SQL template sheet.)  
Submit your SQL statements here.

Assignment 4

Refer to the previous assignment, write the MySQL scripts to create the three databases that you've designed. Please upload only the scripts and the screenshots of the diagram view (in Excel) of the databases.

**How to Convert DOB column into MySQL DateTime data type column**

/\*When we imported the student table into MySQL, we had assigned DOB field as text because the date format wasn't in 'YYYY-mm-dd' format. Hence, we'll create a newDOB column after importing the student table into MySQL, and then copy the DOB data into NewDOB column. Please follow the script given below to do so. We'll also discuss the logic in the class. \*/  
/\*Converts the date stored as text into date format.  
Used Y because the date is in yyyy format.  
Use small case y if the year is given in two digits\*/  
select FullName, DOB, str\_to\_date(substr(dob,1,10), '%d-%m-%Y') as NewDOB, day(str\_to\_date(dob, '%d-%m-%Y')) as Yr  
from student;  
  
SELECT FullName, DOB, str\_to\_date(substr(dob,1,10), '%d-%m-%Y') as NewDOB  
FROM Student;  
  
/\*The following script will do the following:  
1. Add a new datetime column NewDOB into the student table  
2. Extract the date which is stored as text in the DOB column  
3. Convert that date (stored as text) into datetime by using Str\_To\_Date function  
4. Update the date of birth data in the NewDOB column as datetime type so that we could use this data to find students' age\*/  
  
Alter table student add column NewDOB datetime; /\*Adds a NewDOB column into the student tablke\*/  
  
/\*Updates the NewDOB column's data\*/  
Update student  
Set NewDOB = Str\_to\_date(substr(dob,1,10),'%d-%m-%Y');  
  
/\*You may get a Safe Update error while running the above Update query without the where condition.alter  
Please go to Edit -> Preferences -> SQL Editor -> Go at the end of the screen, and un-check the Safe updates.  
After doing this, you'll have to save and close MySQL (all the tabs). Then re-launch and then run.  
\*/  
  
SELECT CAST(Substr("Abc123",4,3) as Signed) as Result;