Assignment 2
A2

Student (snum: integer, sname: string, major: string, slevel: string, age: integer)
Course (cnum: integer, cname: string, meets_at: string, room: string, fid: integer)
Enrolled (snum: integer, cnum: int)
Faculty (fid: integer, fname: string, deptid: integer)

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1. First execute the DB.sql script (provided with the assignment) to create the tables and insert data.

2. User will give input in the following format – **Search X Y**

   X can be 1, 2, 3 (1 = Student Table, 2 = Course Table, 3 = Faculty Table)
   Y can be snum, cnum, fid

   For example,
   Search 1 10 means search in **Student** table using snum = 10
   Search 2 10 means search in **Course** table using cnum = 10
   Search 3 10 means search in **Faculty** table using fid = 10

3. Your task is to search in a Table. If the specific search result exists then at first you have to show the result in read only mode (use view), then you have to **update** the search result in that table. Make sure that when you update a specific data, the data is updated in every table where it belongs. You can use your own values of the attributes for update operation.

4. You should have to design this on your own. Your code must include - **functions, procedures, cursors, triggers, views, control statements**. All the functions should be in one sql file, all the procedures should be in one sql file, all the triggers should be in one sql file, all the views should be in one sql file. **If any of the mentioned above is missing marks will be deducted accordingly.**

5. **You can contact with me anytime if you cannot understand anything.**

6. Many of you performed very poor in Mid Term Exam. So consider this as an opportunity. **Do not copy. As I did not tell how to design this so no two persons can have the same code portions. Every code will be run through copy checker. If similarity gives result > 50% you will get negative marks.**

Courtesy: G. M. Shahariar Shibli