2.For the ERD in Figure 1, you should indicate applications of the 1-M relationship rule. For each 1-M relationship rule application, you should indicate the changes to the tables you listed in problem 1 including foreign key columns and NOT NULL constraints for foreign keys if necessary.

Solution :

Use 1-M relationship conversion except for Disburse Line Table Name

Table Name – Institution

Primary key- InstID

other columns- InstName, InstM ascot

Table Name – Student

Primary key – StdNo

other columns – StdName, StdAddress, StdCity, StdState, StdZip, StdEmail

Table Name- Lender

Primary Key – LenderNo

other columns- LenderName

Table Name – Loan

Primary Key – Loan No

Foreign Key- InstID, StdNo, LenderNo

other columns- ProcDate, DisbMethod, DisbBank, DateAuth, NoteValue, Subsidized, Rate