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:

Applying 1-M relationship rule we get

* Student(StdNo,StdName,StdAddress,StdCity,StdZip,StdEmail)
* Institution(InstId,InstName,InstMascot)
* Loan(LoanNo,ProcDate,DisMethod,Disbank,DateAuth,NoteValue,Subsidized,Rate,

InstId ,LenderNo)

FOREIGN KEY (InstId) REFRENCES Institution

FOREIGN KEY(LenderNo)REFRENCES Lender

FOREIGN KEY(StdNo)REFRENCES Student

InstId NOT NULL

LenderNo NOT NULL

-Lender(LenderNo,LendName)

-DisburseLine(DateSent, LoanNo ,Amount,OrigFee,GuarFree)

FOREIGN KEY (LoanNo) REFRENCES Loan

LoanNo NOT NULL