

Problem 2

The 1-M relationship rule (4 Applications of this rule):

1. Loan.InstID (Mandatory)
2. Loan.StdNo(Mandatory)
3. Loan.LenderNo (Mandatory)
4. DisburseLine.LoanNo(Mandatory)

Following Statements describe the above tables with modifications for

**Adding foreign keys and NOT NULL
Constraints(Mandatory- NOT NULL)**

Institution

(**InstID**,InstName,InstMascot,PRIMARY KEY(InstID))

Student

(**StdNo**, StdName,StdAddress, StdCity, StdState, StdZip,
StdEmail,

PRIMARY KEY(StdNo))

Lender

(**LenderNo**,LendName,PRIMARY KEY(LenderNo))

Loan

(**LoanNo**,*InstID*,*StdNo*,*LenderNo*,ProcDate,DisbMetho
d,DisbBank,

DateAuth,NoteValue,Subsidized,Rate, PRIMARY
KEY(LoanNo),

FOREIGN KEY(*InstID*) REFERENCES *Institution*,

FOREIGN KEY(*StdNo*) REFERENCES *Student*,

FOREIGN KEY(*LenderNo*) REFERENCES *Lender*,

InstID NOT NULL,

*StdNo NOT NULL,
LenderNo NOT NULL)*

DisburseLine

(DateSent, *LoanNo*, Amount, OrigFree, GuarFree,
PRIMARY KEY(DateSent)
FOREIGN KEY(LoanNo) REFERENCES Loan,
LoanNo NOT NULL)