**Solutions for 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)

Modifications include adding foreign keys and NOT NULL Constraints.

Following Statements describe the modified tables:

***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, DisbMethod, 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)