

Question 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 Constrains(Mandatory- NOT NULL)

1) Institution

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

2) Student

(StdNo, StdName, StdAddress, StdCity, StdState, StdZip, StdEmail,
PRIMARY KEY(StdNo))

3) Lender

(LenderNo, LendName, PRIMARY KEY(LenderNo))

4) 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)

5) DisburseLine

(DateSent, *LoanNo*, Amount, OrigFree, GuarFree,

PRIMARY KEY(DateSent)

FOREIGN KEY(LoanNo) REFERENCES Loan,

LoanNo NOT NULL)