

1. 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:**

Institution(InstID, InstName, InstM Ascot)

Loan(Loan No, InstID, StdNo , LenderNo, Proc Date, DisbMethod, DisbBank, Date Auth, Note Value, SubsidizedRate)

FOREIGN KEY(InstID) REFERENCES Instituition NOT NULL

FOREIGN KEY (StdNo) REFERENCES Student NOT NULL

FOREIGN KEY (LenderNo) REFERENCES Lender NOT NULL

Disburse Line(Data Sent, LoanNo Amount, OrigFee, GuarFee)

FOREIGN KEY (LoanNo) REFERENCES Loan NOT NULL

Lender(LenderNo, LenderName)

Student(StdNo, StdName, StdAddress, StdCity, StdState, StdZip, StdEmail)