

Problem 1 :

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

Lender(LenderNo, LendName)

Loan(LoanNo, ProDate, DisbMethod, DisbBank, DateAuth, NoteValue, subsidized, Rate, StdNo  
, LenderNo, InstID)

FOREIGNKEY(StdNo) REFERENCES (student)

FOREIGNKEY(LenderNo) REFERENCES (lender)

FOREIGNKEY(StdNo) REFERENCES (institution)

NOT NULL StdNo, LenderNo, InstID

Institution(InstId, InstName, InstMascout)

Disbuseline(DateSent, LoanNo, Amount, OrigFee, GuarFee)

FOREIGNKEY(LoanNO) REFERENCES Loan

**Conversion RULEs:**

1. Use entity type to table : 5 student , lender, loan, institution, Disbuseline
2. Use 1-M relationship : 4 (student, lender, institution) -> loan , (loan)-> Disbuseline
3. Use identification relationship : 1 loan -> disbuseline
4. Use M\_N relationship : 0

**Problem 2 :**

Account(AcctId, accDecompse, AccName, Balance)

ForeignKey(accDecompse) References Account

**Conversion RULEs:**

1. Use entity type to table : 1
2. Use 1-M relationship : 1
3. Use identification relationship : 0
4. Use M\_N relationship : 0

**Problem 3 :**

Owner(OwnId, OwnName, OwnPhone)

Property(PropId, BlfgName, UnitNo, Bdrms)

Owner\_shares(OwnId, PropId, startweek, endweek)

FOREIGNKEY(OwnId) REFERENCES Owner

FOREIGNKEY(PropID) REFERENCES Property

**Conversion RULEs:**

1. Use entity type to table : 3
2. Use 1-M relationship : 0
3. Use identification relationship : 0
4. Use M\_N relationship : 1