Problem 1 :

Student(**StdNO,** StdName, StdAddreess, 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 (institutioin)

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) REFERNCES Owner

FOREIGNKEY(PropID) REFERNCES 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