**Week-6 Assignment**

1)Answer:

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

Table Name: Student

Primary Key: StdNo

**Loan**(LoanNo, ProcDate, DisbMethod, DisbBank, DateAuth, NoteValue, Subsidized, Rate)

Table Name: Loan

Primary Key: LoanNo

**Institution**(InstID, InstName, InstMascot)

Table Name: Institution

Primary Key: InstID

**Lender**(LenderNo, LendName)

Table Name: Lender

Primary Key: LenderNo

**DisburseLine**(DateSent, Amount, OriFee, GuarFee)

Table Name: DisburseLine

Primary Key: DateSent

2)Answer:

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

**Institution** (InstID, InstName, InstMascot)

**Loan** (LoanNo, ProcDate, DisbMethod, DisbBank, DateAuth, NoteValue, Subsidized, Rate, StdNo, InstID, LenderNo)

FOREIGN KEY(StdNo) REFERENCE Student

FOREIGN KEY(InstID) REFERENCE Institution

FOREIGN KEY(LenderNo) REFERENCE Lender

StdNo NOT NULL

InstID NOT NULL

LenderNo NOT NULL

**Lender** (LenderNo, LendName)

**DisburseLine** (DateSent, Amount, OriFee, GuarFee)

FOREIGN KEY(LoanNo) REFERENCE Loan LoanNo NOT NULL

3)Answer:

There is no M-N relationship.

4) Answer:

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

FOREIGN KEY(LoanNo) REFERENCES Loan

LoanNo NOT NULL

I altered the weak entity DisburseLine into its own table. Its primary key is a combination of DateSent and LoanNo.

5)Answer:

The Table conversion uses the Entity Type Rule and the 1-M Rule.

Account(Acctid, AcctName, Balance, Decomposed)

Primary Key: Acctid

FOREIGN KEY(Decomposed) REFERENCES Account

6)Answer:

The Table conversion uses the Entity Type Rule and the M-N Rule.

Owner(OwnId, OwnName, OwnPhone)

Primary Key: OwnId

Property(PropId, BldgName, UnitNo, Bdrms)

Primary Key: PropId

Shares(PropId, OwnId, StartWeek, EndWeek)

Primary Key: PropId and OwnId

FOREIGN KEY(PropId) REFERENCES Property

FOREIGN KEY(OwnId) REFERENCES Owner