**Solution to module 11**

3.

* Student (StdNo, StdName, StdEmail, StdAddress, StdCity, StdState, StdZip9 )

It is not in BCNF.

StdAddress, StdCity, StdState->StdZip9 or

StdZip9->StdCity,StdState.

Split Student table into two:

Student (StdNo, StdName, StdEmail, StdAddress, StdZip9 )

UNIQUE(StdEmail)

FOREIGN KEY StdZip9 REFERENCES ZipCode

ZipCode (StdZip9 ,StdCity, StdState)

* Lender(LenderNo, LenderName)

UNIQUE(LenderName)

* Institution is not in BCNF.

InstMascot is not unique value (e.g., there are many institutions with Tiger as their Mascot).

Split the table into two:

Institution(InstNo, InstName, MascotId)

UNIQUE(InstName)

FOREIGN KEY MascotId REFERENCES Mascot

Mascot(MascotId, MascotName)