1. You should determine if the *Student*, *Lender*, and *Institution* tables are in BCNF. In the *Lender* table, *LenderName* is unique. In the *Institution* table, *InstName* is unique. In the *Student* table, *StdEmail* is unique. The primary key of each table is underlined. The primary key of each table is underlined. You should explain your decision and modify the table design by splitting tables or adding constraints if necessary.

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

Lender(LenderNo, LenderName)

Institution(InstNo, InstName, InstMascot)

ANSWER

1.**STUDENT TABLE**

Both StdEmail and StdNo are unique, hence violates BCNF

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

UNIQUE(StdEmail)

2.**LENDER TABLE**

Both LenderNo and LenderName are unique, hence violates BCNF

Lender(LenderNo, LenderName)

UNIQUE(LenderName)

3.**INSTITUTION TABLE**

Both InstNo and InstName are unique, hence violates BCNF

Institution(InstNo, InstName, InstMascot)

UNIQUE(InstName)