Task 2:

1. **STUDENT**(snumber, full-name, degree, school)
   Primary Key = (snumber)

   BOOK(call-number, ISBN, title, price)

   LIBRARY(campus, building-number, total-books)
   Primary Key = (campus, building-number)

2. **STUDENT:**
   snumber → full-name, degree, school

   BOOK:
   call-number → ISBN, title, price
   ISBN → call-number, title, price
   title → call-number, ISBN, price

   LIBRARY:
   campus, building-number → total-books
   campus → building-number, total-books
   building-number → campus, total-books

3. **STUDENT:**
   Minimal Keys: (snumber)

   BOOK:
   Minimal Keys: (ISBN)

   LIBRARY:
   Minimal Keys: (campus, building-number)

4. **STUDENT**(snumber, full-name, degree, school) = (a, b, c, d)**:**
   Checking 2NF: a → b, c, d
   Doesn't violate 2NF requirements
   LHS subset of key
   RHS not all key attributes

   Checking 3NF: a → b, c, d
   Doesn't violate 3NF requirements
   LHS superkey
   RHS key attributes

   Checking BCNF:
   LHS is a superkey for non-trivial FD; a → b, c, d

   BOOK(call-number, ISBN, title, price) = (a, b, c, d)**:**

   Checking 2NF: a → b, c, d
   b → a, c, d
   c → b, a, d
   d → b, c, a
   Doesn't violate 2NF requirements
   LHS subset of key
   RHS not all key attributes

   Checking 3NF: a → b, c, d
   b → a, c, d
   c → b, a, d
   d → b, c, a
   Doesn't violate 3NF requirements
   LHS superkey
   RHS key attributes

   Checking BCNF:
   LHS is a superkey for non-trivial FD; a → b, c, d
   b → a, c, d
   c → b, a, d
   d → b, c,

LIBRARY(campus, building-number, total-books) = (a, b, c)**:**
Checking 2NF: a, b → c
a → b, c
b → a, c
Doesn't violate 2NF requirements
LHS subset of key
RHS not all key attributes

Checking 3NF: a, b → c
a → b, c
b → a, c
Doesn't violate 3NF requirements
LHS superkey
RHS key attributes

Checking BCNF:
LHS is a superkey for non-trivial FD; a, b → c
a → b, c
b → a, c