García Ponce José
Camilo

ejercicio 1

Bank

Code	Name	Addr

Account

Acct_no	Balance	Type	Code	Branch_no
			FK	FK

Loan

Loan_no	Amount	Type	Code	Branch_no
			FK	FK

Customer

Ssn	Name	Phone	Addr

Bank_Branch

Code	Branch_no	Addr
FK		

A_C

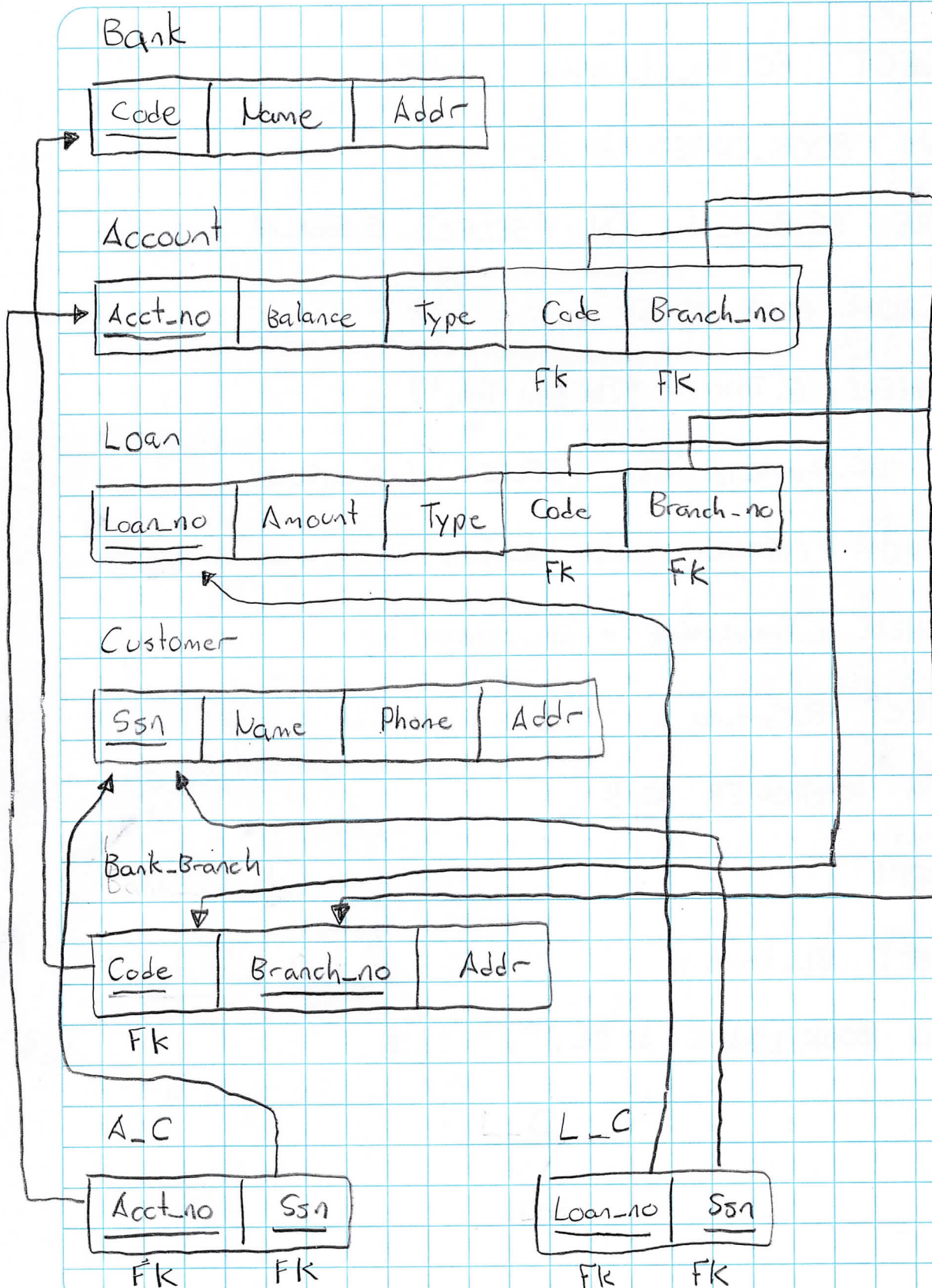| Acct_no	Ssn
FK	FK

L_C

Loan_no	Ssn
FK	FK

pasos

1) primero
transformamos
las entidades
regulares
Bank,
Account,
Loan,
Customer

2) transforma
la entidad debil
Bank_branch

3) transforma
asociacions 1:N
Accts en Account
Loans en Loan

4) transforma
asociacions N:M
A_C y L_C

ejercicio 4

a) SELECT BC.No_of_copies

    FROM BOOK_COPIES AS BC

    WHERE BC.Book_id IN (SELECT B.Book_id

        FROM BOOK AS B

        WHERE B.Title = 'The Lost Tribe')

    AND BC.Branch_id IN (SELECT L.Branch_id

        FROM LIBRARY_BRANCH AS L

        WHERE L.Branch_name = 'Sharpstown');

b) SELECT B.Card_no

    FROM BORROWER AS B

    EXCEPT

    SELECT BL.Card_no

    FROM BOOK_LOANS AS BL;

```sql
c)  SELECT   B.Title , BC.No_of_copies

    FROM    BOOK AS B , BOOK_COPIES  AS BC

    WHERE   B.Book_id = BC.Book_id   AND

    B.Book_id  IN   (SELECT   BA.Book_id

        FROM  BOOK_AUTHORS  AS BA

        WHERE  BA.Author_name = 'Stephen King')

    AND  BC.Branch_id  IN  (SELECT   L.Branch_id

        FROM  LIBRARY_BRANCH  AS L

        WHERE  L.Branch_name  = 'Central');
```