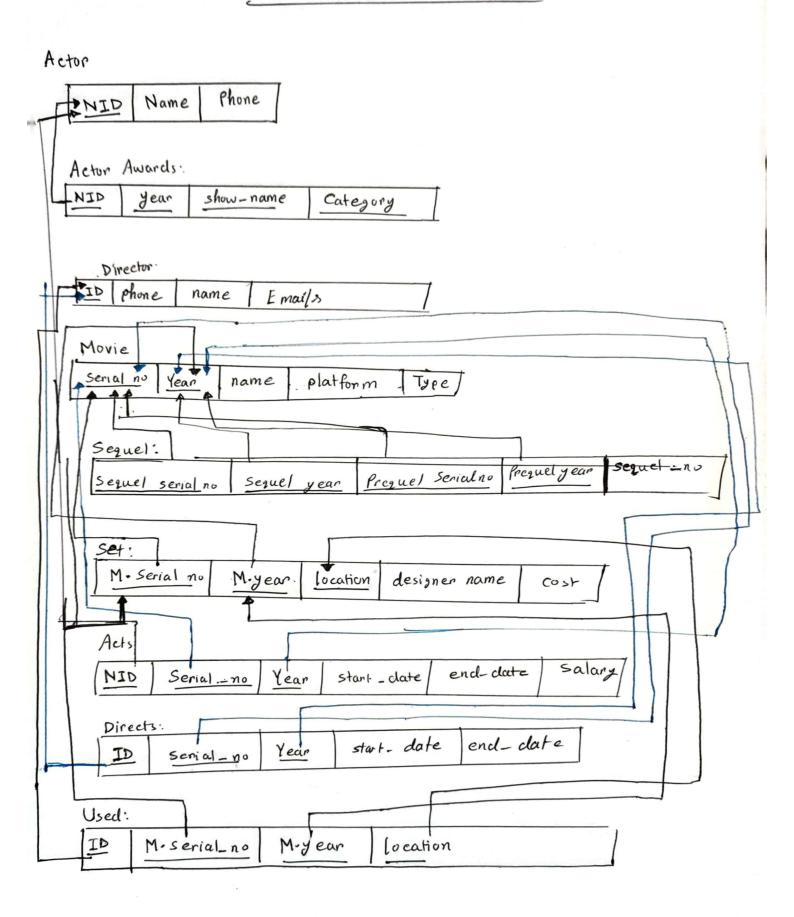
CSE 370 Patabare System

Fall 2023 Final Script

Name: Rejwan Shafi

Student ID: 23291108

Section: 08



Answer to the question no 2

The given relation is already in INF formal as there is no multivalued attribute, neither composite attribute, neither nested relation.

(b)

The relation of (a) in not in 2NF form. As

there are partial dependies in FDI, FD2 and

FD3. By applying 2NF Format the scheme

would look like following.

Customer (Customer ID, Customer Name, customer Contact No)

Flat (flat ID, flat Address, size, start Date, end Date, rent)

Owner (OwnerID, ownerName, owner Contact No, owner NomineeID, owner Nominee Name, owner Nominee Contact No)

Accomodation Service (Customer ID, flat ID, Owner ID, agreement ID)

The relation of (b) is not in 3NF form. As there are transistive dependencies. By applying 3NF it would look like following.

Customer (Customer ID, customer Name, customer Contact No)

Flat (flatID, flat Address, size, stant Date, end Date)

Rent (size, start Date, end Date, rent)

Owner (Owner ID, Owner Name, owner Contact No, owner Nominee ID)

Nominee Couner Nominee ID, owner Nominee Name, owner Nominee Contact No)

Accomodation Service (Customer ID, flat ID, Owner ID, agreement ID)

Answer to the question no 3

"SELECT title, ISBN, year, price from Book order by year, asc. ";

SELECT b. borrower No, count (*) from Book Loan b Inner Join

Borrower C on b. borrower No = c. borrower No Group by

b. borrower No having count (coex No) > 5.;

Select * from Book where year = "2016" and

price > All (select price from Book where year =

"2014" year = "2015");

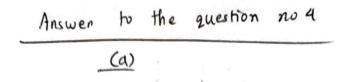
"Select borrower No, and (price) from (BookLoan inner

join Borrower on BookLoan borrower No = Borrower.

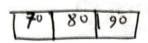
borrower No) inner join Book on Bookloan.

coey No = Book copy No group by borrower No

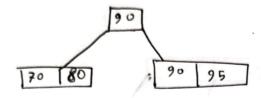
where books and Address = "Baker Street";



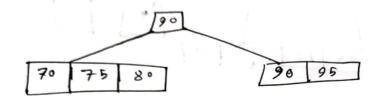
inserting 80, 70,90



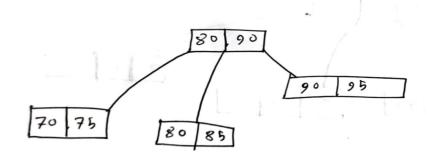
insent 95



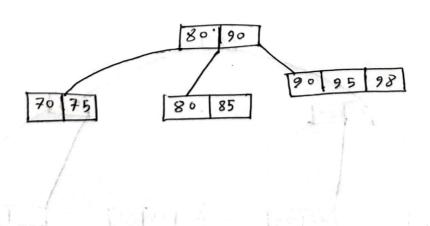
insent 75

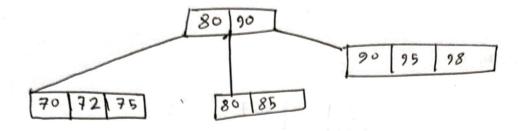


insent 85

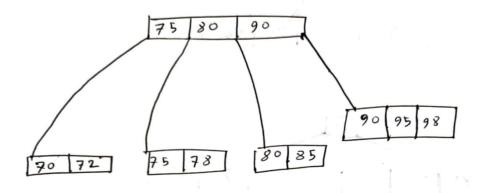


insent 98

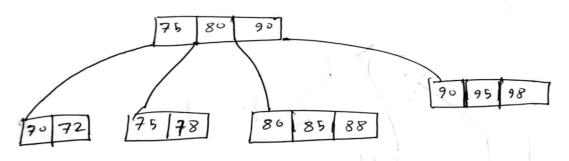




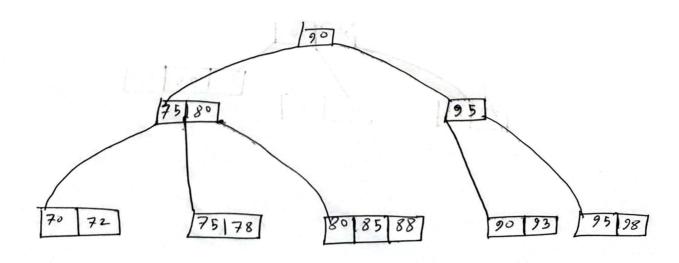
insent 78

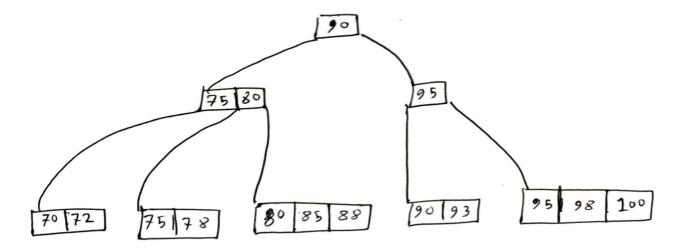


insent 88



insent 93





(P-7-U)

$$h(FJ7) = (70 + 74 + 55)^2 = 39601$$

$$h(ww4) = 1$$

$$h(SM8) = 2$$

