Judy Gabeskiria

Homework 1

2.2.1

1. The attributes of relation 1: acctNo, type, balance

The attributes of relation 2: firstName, lastName, idNo, account

1. Tuples of relation 1: 12345, savings, 12000; 23456, checking, 1000; 34567, savings, 25.

Tuples of relation 2: Robbie, Banks, 901-222, 12345; Lena, Hand, 805-333, 12345; Lena, Hand, 805-333, 23456

c) The components of one tuple from relation 1: 12345, savings, 12000

The components of one tuple from relation 2: Robbie, Banks, 901-222, 12345

1. relation schema 1: The relation Accounts, acctNo, type, balance

relation schema 2: The relation Customers, firstNAme, lastName, idNo, account

1. the database schema: The relation Accounts, acctNo, type, balance; The relation Customers, firstNAme, lastName, idNo, account
2. domains for attributes: acctNo,balance,account-Integer;type,firstName,lastName-String; idNo-Integer(w/ 6 digits separated by a dash)
3. We can change the order of attributes of each of relations. For example, for the first one we can order as: account number, balance and a type. And for another one, we could have: lastNAme, firstName, account, idNo.

Another suggestion would be that these two relations can be combined into one relation which contains all the information of firstName, lastNAme, idNo, account and followed by corresponding type and balance.

Ex2

Information of Rented books

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| firstName | lastName | bookName | bookCode | dateReturn |
| Kostadin | Boychev | Java | 12345 | 11-23-17 |
| Rubab | Zehra | Html | 67891 | 1-23-18 |
| Judy | Gab | Projects | 13579 | 10-17-17 |

1 relation

Attributes: firstName, lastName, bookName, bookCode, dateReturn

Corresponding domains: String, String, String, Integer, Integer