

Relational Model Exercises

<i>acctNo</i>	<i>type</i>	<i>balance</i>
12345	savings	12000
23456	checking	1000
34567	savings	25

The relation Accounts

<i>firstName</i>	<i>lastName</i>	<i>idNo</i>	<i>account</i>
Robbie	Banks	901-222	12345
Lena	Hand	805-333	12345
Lena	Hand	805-333	23456

The relation Customers

- Using the model above, indicate the following:
 - The attributes of each relation.
 - The tuples of each relation.
 - The components of one tuple from each relation.
 - The relation schema for each relation.
 - The database schema.
 - A suitable domain for each attribute.
 - Another equivalent way to present each relation.
- There are many examples of attributes that are created for the purpose of serving as keys of relations (*acctNo* and *idNo* in the relations above). Give some additional examples.
- How many different ways (considering orders of tuples and attributes) are there to represent a relation instance if that instance has :
 - Three attributes and three tuples, like the relation Accounts above.
 - Four attributes and five tuples?
 - n attributes and m tuples ?