

Exercise

CSC230 Database Technologies for Analytics

10 November 2016

For these exercises, use the sample database that the author of *Learning SQL* has given us. I have placed a link to a SQL script that builds the database on Moodle.

1. Write a query that finds the identification numbers of all customers.
2. Write a query that produces a table of identification numbers of customers together with the identification numbers of their accounts.
3. Write a query that produces a table of identification numbers of customers together with words (e.g., “Checking,” “Savings,” “Certificate of Deposit,” “Money Market”) that describes the kinds of accounts that those customers own.
4. Write a query that finds the identification numbers of the accounts that belong to customer #8.
5. Write a query that reports the number of customers. The result set will have just one column and one row. Write the query so that the label on the column is “Number of columns.”
6. Write a query that lists the number of accounts that each customer has.
7. Write a query that lists the identification numbers of customers of those customers who are individuals together with the names of those customers. The result set will contain two columns. Construct the names in the second column by concatenating a customer’s first name and last name.
8. Write a query that lists the identification numbers of customers that are businesses together with the names of those customers. The result set will contain two columns.
9. Write a query that lists the identification numbers of all customers together with the names of those customers. The result set will contain two columns. It will include identification numbers and names both of customers who are individuals and customers that are businesses.

10. Write a query that identifies all transactions that took place in the year 2003.