DBT Query solving test - 2

Aug18/ DBT/002

Database Technologies

Diploma in Advance Computing

August 2018

Date: **­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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***Consider the following relation.***

*branch (branch-name, branch-city, assets)*

*bankEmployee (employee-name, branch-name, salary)*

*bankCustomer (customer-name, customer-street, customer-city)*

*account (account-number, branch-name, balance)*

*depositor (customer-name, account-number)*

*loan (loan-number, branch-name, amount)*

*borrower (customer-name, loan-number)*

**Solve the following queries.**

1. Find the names of all *branches* in the loan relation, don't display duplicates.
2. Display the entire *branches* table.
3. Find the *account-number* for all accounts where the *balance* is greater than $700.
4. Find the *account-number* and *balance* for all *account* from Brighton where the *balance* is greater than $800.
5. Display the *branch-name* and *assets* for all *branches* and rename the *assets* column to 'assets in thousands'.
6. Find the *customer-name* of all branches with *assets* between one and four million dollars.
7. Find the *customer-name*, *account-number*, and *balance* of all *customer* who have an account.
8. Find the *customer-name*, *account-number*, and *balance* of all *customer* who have an account with a *balance* of $400 or less.
9. Count how many *employee* are working in every *branch*.
10. Find all *customer-name* whose *loan(amount)* is more than $100,000.
11. Find the maximum *loan(amount)* a customer has taken.
12. Find the *customer-name* who have still not open an *account*.
13. Calculate the total *loan(amount)* taken by the *customer-name ‘Saleel’.*
14. Find the *branch-name* and total *amount* given by every *branch*.