Database Management System (DBMS)
Lab Assignment

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Last date of assignment submission: 15th Feb 2021

Note: 1) All Assignments should be done independently.

2) Perform the following queries on the previous tables. Uses join operation if needed.

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1. List in alphabetic order the names of all customers having a loan at Perryridge branch.
2. Find the total sum of amount for each branch whose name is starting with the letter 'R'.
3. Display the customer name that has highest balance.
4. Display the customer name that has second highest balance.
5. Display the top three customer names that have lowest balance.
6. Find the even and odd number of records from the customer table.
7. Find the n^{th} amount from the amount table. (Where n=1, 2, 3, 4...)
8. Use Union/intersect/except commands to perform following queries.
    a. Find all customers who have a loan, an account, or both.
    b. Find all customers who have both a loan and account.
    c. Find all the customers who have an account but no loan.
9. Use Aggregate Functions (distinct, group by, having Clause) for below query
    a. Find the number of depositors for each branch.
    b. Find the names of all branches where the average account balance is more than 1,200.
    c. Find the number of depositors in the bank.
10. Use Sub-Queries for following:
    a. List the customer names whose balance is less than average balance.
    b. Find all customers having both a loan and an account at the bank without duplicates.
    c. Find all customers who have at least two accounts at Round Hill branch.
11. Apply String Functions:
    a. Apply Right Padding operation on Customer names where the balance is below 500, padding string will be "Less Balance".
    b. Trim the account number from 'A-101' to '101' in depositor table.
    c. Display the name of customers after converting the initial letter in capital.
    d. Calculate the length of the string='DBMS lab'.
    e. Display the substring from customer name starting from character 2 and it contains 3 characters.
    f. Print the first & last letter of each customer name.
    g. Display the customer name and customer street where the size of both is same.
12. Use dual table for below
    a. Display the number of months between the date '12-March-2012' & the System date.
    b. Display the result of the arithmetic calculation. (4 *4+5)
    c. Add five months in the System date.
    d. Display the date of next Thursday from the current date.
    e. Display the logged user name.