CSE370

LAB ASSIGNMENT-03

Task-1

SELECT c.customer name, I.loan number

- -> FROM customer c
- -> INNER JOIN borrower b on c.customer id = b.customer id
- -> INNER JOIN loan I ON b.loan_number = I.loan_number
- -> WHERE I.branch_name = 'Downtown';

Task-2

SELECT DISTINCT c1.customer_name AS Customer1, c2.customer_name AS Customer2, c1.customer_city AS City

- -> FROM customer c1
- -> INNER JOIN customer c2 ON c1.customer_city = c2.customer_city
- -> WHERE c1.customer id < c2.customer id;

Task-3

SELECT branch_name AS Branch_name, SUM(balance * 0.04) AS Total_Interest

- -> FROM account
- -> GROUP BY branch name;

Task-4

SELECT b.branch_city, a.account_number, MAX(a.balance) AS max_balance

- -> FROM branch b
- -> INNER JOIN account a ON b.branch name = a.branch name
- -> GROUP BY b.branch city;

Task-5

SELECT subquery.loan_number, subquery.amount, subquery.customer_name

- -> FROM (
- -> SELECT I.loan number, I.amount, c.customer name
- -> FROM customer c
- -> INNER JOIN borrower b ON c.customer_id = b.customer_id
- -> INNER JOIN loan I ON b.loan number = I.loan number
- -> ORDER BY I.amount DESC
- -> LIMIT 5
- ->) AS subquery
- -> ORDER BY subquery.amount ASC, subquery.loan_number DESC;

Task-6

SELECT c.customer_name, a.account_number, I.loan_number

- -> FROM customer c
- -> INNER JOIN depositor d ON c.customer_id = d.customer_id
- -> INNER JOIN account a ON d.account number = a.account number
- -> INNER JOIN borrower b ON c.customer id = b.customer id
- -> INNER JOIN loan I ON b.loan_number = I.loan_number
- -> WHERE a.branch name = 'Perryridge';

Task-7

SELECT c.customer_name, SUM(l.amount) AS total_loan

- -> FROM customer c
- -> INNER JOIN borrower b ON c.customer id = b.customer id
- -> INNER JOIN loan I ON b.loan number = I.loan number
- -> GROUP BY c.customer id
- -> HAVING COUNT(b.loan_number) >= 2;