Bangladesh University of Business and Technology



LAB REPORT

Experiment Date:

Experiment No: 04

Course Title : Database System

Course Code : CSE 208

Experiment Name:

Submitted By:

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Intake: 47

Section:2

Program: B.Sc. in CSE

Submitted To:

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Dept. of CSE

Bangladesh University of Business & Technology

Date of Submission:

1. Count each loan number in customer relation.

Ans:

Code:SELECT loan_number, COUNT(customer_name) AS count FROM borrower_relation GROUP BY loan_number;

Output:



2. Show the branch name that contains "p" at the beginning and "e" at the end. Ans:-

Code:-SELECT branch_name FROM loan_relation WHERE branch_name LIKE 'p%e'; Output:-

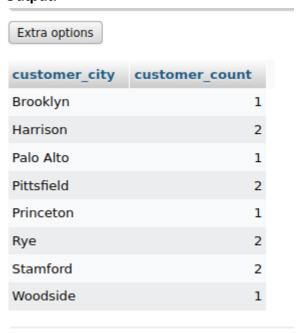


3. Find the number of customer from all cities in "customer" relation.

Ans:-

Code:-SELECT customer_city, COUNT(customer_city) AS customer_count FROM customer_relation GROUP BY customer_city;

Output:-

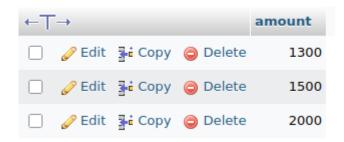


4. Find the total amount of loan from "Loan" relation of each branch which amount is greater than 1200.

Ans:

Code:SELECT amount FROM loan_relation GROUP BY amount HAVING amount >1200; **Output:** -

Extra options



5. Retrieve the names of customers who have taken out loans from more than one branch. Ans:

Code:-SELECT br.customer_name FROM borrower_relation br JOIN loan_relation Ir ON br.loan_number = Ir.loan_number GROUP BY br.customer_name HAVING COUNT(DISTINCT Ir.branch_name) > 1;

Output:-



6. Find the total amount of loans taken by each customer who lives in the city of "RYE".

Code:-SELECT c.customer_name, SUM(CAST(I.amount AS DECIMAL)) AS total_loan_amount FROM customer_relation c

JOIN borrower_relation b ON c.customer_name = b.customer_name

JOIN loan relation I ON b.loan number = I.loan number

WHERE c.customer_city = 'Rye'

GROUP BY c.customer_name;

Output:-

