## **Bangladesh University of Business and Technology**



### LAB REPORT

**Experiment Date:** 

Experiment No : 02

Course Title : Database System

Course Code : CSE 208

**Experiment Name:** Bank

### **Submitted By:**

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Intake: 47

Section:2

Program: B.Sc. in CSE

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(Lecturer)

Dept. of CSE

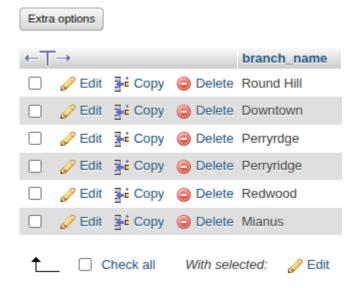
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#### Date of Submission:

#### Q1. Find the names of all branches in the "loan" relation.

Ans:

Code - SELECT DISTINCT branch\_name FROM loan\_relation; Output:-

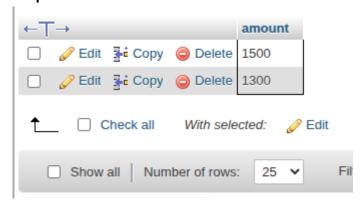


# Q2. Find all loan numbers for loans made at the "Perryridge" branch with loan amounts greater than 300.

#### Ans:

**Code** - SELECT amount FROM loan\_relation WHERE branch\_name = 'Perryridge' AND amount > 300;

#### Output:-



# Q3. Find all the loan numbers and customer name who has loan either "Perryridge" branch or "Downtown" branch

Ans:-

Code:- SELECT I.loan\_number, c.customer\_name FROM loan\_relation I JOIN borrower\_relation b ON I.loan\_number = b.loan\_number JOIN customer\_relation c ON b.customer\_name = c.customer\_name WHERE I.branch\_name IN ('Perryridge', 'Downtown');
Output:-

Extra options	
loan_number	customer_name
L-16	Adams
L-15	Hayes
L-14	Johnson
L-17	Jones
L-17	Williams

Q4. Find all the loan numbers of the customer who has loan either "Perryridge" branch or "Downtown" branch or "Mianus" branch.

#### Ans:-

Code:-SELECT I.loan\_number FROM loan\_relation AS I
JOIN borrower\_relation AS b ON I.loan\_number = b.loan\_number
JOIN customer\_relation AS c ON b.customer\_name = c.customer\_name
WHERE I.branch\_name IN ("Perryridge", "Downtown", "Mianus");

#### Output-

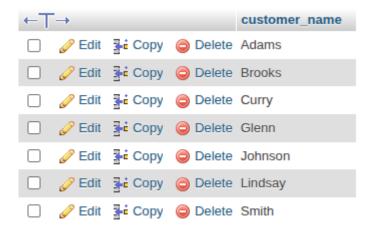


Q5.Find the names of all customers who are not from "Stamford" of "Princeton" or "Harrison" City.

#### Ans:-

**Code:**-SELECT customer\_name FROM customer\_relation WHERE customer\_city NOT IN ("Stamford","Princeton","Harrison");

#### Output:-



# Q6. Find the street and city of the customer whose loan amount is greater than 1200. Ans:-

Code:-SELECT c.customer\_street, c.customer\_city
FROM loan\_relation AS I
JOIN borrower\_relation AS b
ON I.loan\_number = b.loan\_number
JOIN customer\_relation AS c
ON b.customer\_name = c.customer\_name
WHERE I.amount > 1200;

#### Output:-

customer_street	customer_city
Spring	Pittsfield
Main	Harrison
Alma	Palo Alto
North	Rye