Bangladesh University Of Business & Technology



LAB REPORT

Course Code : CSE-207

Course Title : Database Systems

Experiment Name : Create database & table, Insert data in table and searching from the database table using SQL commands using Xammp software.

Experiment No. : 01

Intake : 45

Section : 02

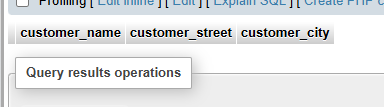
Program : B.sc. Engg in CSE

SUBMITTED BY : Shamsi Juma(068)

SUBMITTED TO : Zobaer Zihad Lecturer, Department of CSE, BUBT.

Create customer table:

CREATE TABLE customer\_table ( customer\_name varchar(250), customer\_street varchar(250), customer\_city varchar(250), PRIMARY KEY (customer\_name ) );



Insert value for customer\_table:

INSERT INTO customer\_table VALUES

('Adams', 'Spring', 'Pittsfield'),

('Brooks', 'Senator', 'Brooklyn'),

('Curry', 'North', 'Rye'),

('Glenn', 'Sand Hill', 'Woodside'),

('Green', 'Walnut', 'Stamford'),

('Hayes', 'Main', 'Harrison'),

('Johnson', 'Alma', 'Palo Alto'),

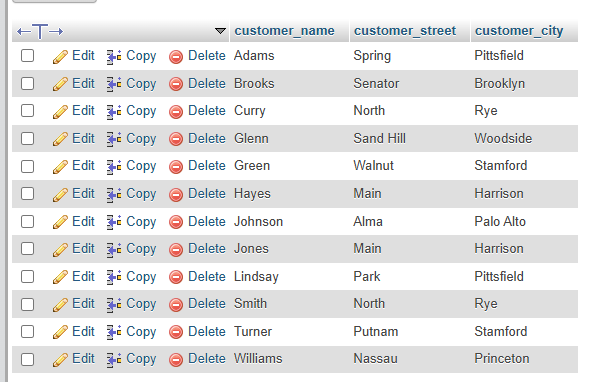
('Jones', 'Main', 'Harrison'),

('Lindsay', 'Park', 'Pittsfield'),

('Smith', 'North', 'Rye'),

('Turner', 'Putnam', 'Stamford'),

('Williams', 'Nassau', 'Princeton');



Create loan\_table:

CREATE TABLE loan\_table ( loan\_number varchar(250), branch\_name varchar(250), amount INT );

And Insert value:

INSERT INTO loan\_table VALUES

('L-11', 'Round Hill', 900),

('L-14', 'Downtown', 1500),

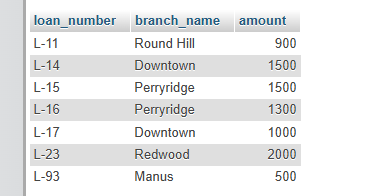
('L-15', 'Perryridge', 1500),

('L-16', 'Perryridge', 1300),

('L-17', 'Downtown', 1000),

('L-23', 'Redwood', 2000),

('L-93', 'Manus', 500);



CREATE TABLE borrow\_table ( customer\_name varchar(250), loan\_number varchar(250), PRIMARY KEY (customer\_name, loan\_number),FOREIGN KEY (customer\_name) REFERENCES customer\_table(customer\_name), FOREIGN KEY (loan\_number) REFERENCES loan\_table(loan\_number) );

INSERT INTO borrow\_table VALUES

('Adams', 'L-16'),

('Curry', 'L-93'),

('Hayes', 'L-15'),

('Johnson', 'L-14'),

('Jones', 'L-17'),

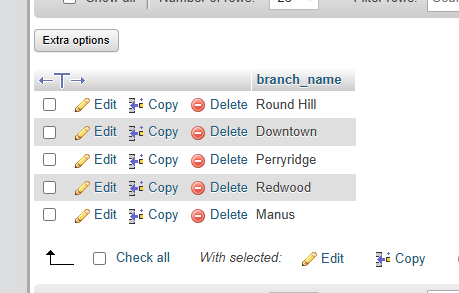
('Smith', 'L-11'),

('Smith', 'L-23'),

('Williams', 'L-17');

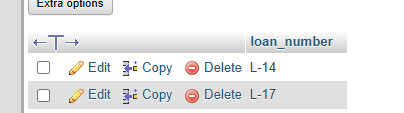
Q.1 find the names of all branches in the loan table:

SELECT DISTINCT branch\_name FROM loan\_table;



Q2. Find all loan numbers for loans made at the "Perryidge" branch with load amount greater then 300.

SELECT loan\_number FROM loan\_table WHERE branch\_name = 'Downtown' AND amount > 300;



Q3. Find all the load number and customer name who has loan either "Perryride" branch or "Downtown" branch.

Q4.

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

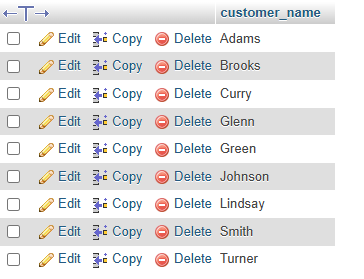
SELECT loan\_number FROM loan\_table WHERE branch\_name IN ('Perryridge', 'Downtown', 'Mianus')



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

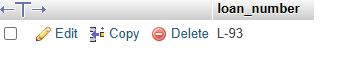
SELECT customer\_name FROM customer\_table WHERE customer\_city NOT IN ('Stam

ford', 'Princeton', 'Harrison');



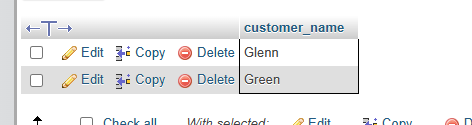
Q6. Find the loan number of those loans with loan amount between 400 and 800

SELECT loan\_number FROM loan\_table WHERE amount BETWEEN 400 AND 800;



Q7. Find the names of all customers whose name start with "G".

SELECT customer\_name FROM customer\_table WHERE customer\_name LIKE 'G%';



Q8. Find the street and city of the customer whose loan amount is greater than 1200