**Introduction to DBMS**

**Assessment**

Create DATABASE bank\_db;

CREATE TABLE bank (

bid int PRIMARY KEY,

bname text,

bcity text

);

CREATE TABLE loan (

loan\_no int not null,

bid int,

acc\_holder\_id int PRIMARY KEY,

amount int,

type text,

FOREIGN KEY(bid) REFERENCES bank(bid)

);

CREATE TABLE acc\_holder(

acc\_holder\_id int,

acc\_no int NOT NULL,

name text,

city text,

contact int,

acc\_created date,

acc\_status varchar(10),

type text,

balance int,

FOREIGN KEY(acc\_holder\_id) REFERENCES loan(acc\_holder\_id)

);

INSERT INTO bank VALUES(1, 'bodakdev branch','ahmedabad'), (2, 'Surat branch', 'Surat'), (3, 'Thaltej branch', 'ahmedabad');

INSERT INTO loan VALUES(1, 1, 1, 12000, 'home loan'), (2, 1, 2, 10000, 'General loan'), (3, 2, 3, 15000, 'Student loan');

INSERT INTO acc\_holder VALUES(1, 100, 'saurya', 'ahmedabad', 9898989898, '2025-2-27', 'active', 'saving', 5000)

INSERT INTO acc\_holder VALUES (2, 101, 'Krish', 'Surat', 6898989897, '2025-05-16', 'active', 'business', 10000)

INSERT INTO acc\_holder VALUES (3, 102, 'Harshil', 'ahmedabad', 6898911111, '2025-02-05', 'active', 'business', 12000);

1)

DELIMITER $$

CREATE PROCEDURE transfer(rev\_acc text, sender\_acc text, amt int)

BEGIN

UPDATE acc\_holder set balance = balanace - amt WHERE name = sender\_acc;

UPDATE acc\_holder set balance = balanace + amt WHERE name = rev\_acc;

END;

2)

DELIMITER $$

CREATE PROCEDURE find(f\_city text)

BEGIN

SELECT \* FROM acc\_holder WHERE city = f\_city;

END;

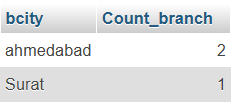
3)

SELECT acc\_no, name FROM acc\_holder WHERE EXTRACT(DAY FROM acc\_created) > 15;



4)

SELECT bcity, count(bcity) as Count\_branch FROM bank GROUP BY bcity;



5)

SELECT acc\_holder.acc\_holder\_id, acc\_holder.name, loan.bid, loan.amount FROM acc\_holder JOIN loan on acc\_holder.acc\_holder\_id = loan.acc\_holder\_id;

