**Bài 7 – Phần Query**

a/

-- BRANCH

INSERT INTO BRANCH VALUES ('B001', 'branch1@gmail.com');

INSERT INTO BRANCH VALUES ('B002', 'branch2@gmail.com');

INSERT INTO BRANCH VALUES ('B003', 'branch3@gmail.com');

INSERT INTO BRANCH VALUES ('B004', 'branch4@gmail.com');

-- BRANCHPHONE

INSERT INTO BRANCHPHONE VALUES ('B001', '0281111111');

INSERT INTO BRANCHPHONE VALUES ('B001', '0281111222');

INSERT INTO BRANCHPHONE VALUES ('B002', '0282222333');

INSERT INTO BRANCHPHONE VALUES ('B003', '0283333444');

-- BRANCHFAX

INSERT INTO BRANCHFAX VALUES ('B001', '0289999888');

INSERT INTO BRANCHFAX VALUES ('B002', '0288888777');

INSERT INTO BRANCHFAX VALUES ('B003', '0287777666');

INSERT INTO BRANCHFAX VALUES ('B004', '0286666555');

-- EMPLOYEE

INSERT INTO EMPLOYEE VALUES ('N1080', 'John', 'Smith', '1985-03-21', 'john.smith@gmail.com');

INSERT INTO EMPLOYEE VALUES ('N1081', 'Mary', 'Brown', '1990-07-11', 'mary.brown@gmail.com');

INSERT INTO EMPLOYEE VALUES ('N1082', 'David', 'Tran', '1988-02-15', 'david.tran@gmail.com');

INSERT INTO EMPLOYEE VALUES ('N1083', 'Sarah', 'Lee', '1992-12-30', 'sarah.lee@gmail.com');

-- EMPLOYEEPHONE

INSERT INTO EMPLOYEEPHONE VALUES ('N1080', '0912345678');

INSERT INTO EMPLOYEEPHONE VALUES ('N1081', '0923456789');

INSERT INTO EMPLOYEEPHONE VALUES ('N1082', '0934567890');

INSERT INTO EMPLOYEEPHONE VALUES ('N1083', '0945678901');

-- WORK\_FOR

INSERT INTO WORK\_FOR VALUES ('N1080', 'B001', 1); -- Manager

INSERT INTO WORK\_FOR VALUES ('N1081', 'B002', 0);

INSERT INTO WORK\_FOR VALUES ('N1082', 'B003', 0);

INSERT INTO WORK\_FOR VALUES ('N1083', 'B004', 1); -- Manager

-- CUSTOMER

INSERT INTO CUSTOMER VALUES ('C001', 'Peter', 'Johnson', 'ABC Office', '12/3 HBT', 'peter.j@gmail.com');

INSERT INTO CUSTOMER VALUES ('C002', 'Anna', 'Nguyen', 'XYZ Office', '34 Nguyen Hue', 'anna.n@gmail.com');

INSERT INTO CUSTOMER VALUES ('C003', 'John', 'Doe', 'DEF Office', '56 Tran Hung Dao', 'john.doe@gmail.com');

INSERT INTO CUSTOMER VALUES ('C004', 'Lily', 'Tran', 'GHI Office', '78 Le Loi', 'lily.tran@gmail.com');

-- CUSTOMERPHONE

INSERT INTO CUSTOMERPHONE VALUES ('C001', '0933111222');

INSERT INTO CUSTOMERPHONE VALUES ('C002', '0933222333');

INSERT INTO CUSTOMERPHONE VALUES ('C003', '0933333444');

INSERT INTO CUSTOMERPHONE VALUES ('C004', '0933444555');

-- ACCOUNT

INSERT INTO ACCOUNT VALUES ('A001', 1000, '2018-06-10');

INSERT INTO ACCOUNT VALUES ('A002', 5000, '2019-07-12');

INSERT INTO ACCOUNT VALUES ('A003', 2000, '2020-01-15');

INSERT INTO ACCOUNT VALUES ('A004', 8000, '2021-03-20');

-- HAS (mỗi khách có nhiều account)

INSERT INTO HAS VALUES ('C001', 'A001');

INSERT INTO HAS VALUES ('C001', 'A002');

INSERT INTO HAS VALUES ('C002', 'A003');

INSERT INTO HAS VALUES ('C004', 'A004');

-- SAVINGACCOUNT

INSERT INTO SAVINGACCOUNT VALUES ('A001', 0.05);

INSERT INTO SAVINGACCOUNT VALUES ('A002', 0.06);

INSERT INTO SAVINGACCOUNT VALUES ('A004', 0.045);

INSERT INTO SAVINGACCOUNT VALUES ('A005', 0.055);

-- CHECKINGACCOUNT

INSERT INTO CHECKINGACCOUNT VALUES ('A003');

INSERT INTO CHECKINGACCOUNT VALUES ('A006');

INSERT INTO CHECKINGACCOUNT VALUES ('A007');

INSERT INTO CHECKINGACCOUNT VALUES ('A008');

-- LOAN

INSERT INTO LOAN VALUES ('L001', 3000, 0.07, '2020-05-01');

INSERT INTO LOAN VALUES ('L002', 4000, 0.08, '2021-08-15');

INSERT INTO LOAN VALUES ('L003', 2000, 0.06, '2022-01-10');

INSERT INTO LOAN VALUES ('L004', 6000, 0.09, '2023-07-25');

-- Gán loan cho khách hàng qua HAS

INSERT INTO HAS VALUES ('C001', 'L001');

INSERT INTO HAS VALUES ('C002', 'L002');

INSERT INTO HAS VALUES ('C003', 'L003');

INSERT INTO HAS VALUES ('C004', 'L004');

b/

UPDATE EMPLOYEE

SET LName = 'Brown'

WHERE Code = 'N1080';

c/

DELETE FROM EMPLOYEE

WHERE Code = 'N1080';

d/

SELECT A.Number

FROM ACCOUNT A

JOIN CUSTOMER C ON A.CusCode = C.Code

WHERE C.FName = 'Peter' AND C.LName = 'Johnson';

e/

SELECT \*

FROM EMPLOYEE

WHERE YEAR(DOB) = 2010 AND MONTH(DOB) = 3;

f/

SELECT SUM(A.Balance) AS TotalBalance

FROM SAVINGACCOUNT S

JOIN ACCOUNT A ON S.AccNumber = A.Number

JOIN CUSTOMER C ON A.CusCode = C.Code

WHERE C.FName = 'Peter' AND C.LName = 'Johnson';