**Week 7 Lab 1**

**Terminal log:**

feiyan@Feiyans-MacBook-Air sqlite % touch test.db

feiyan@Feiyans-MacBook-Air sqlite % gcc test0.c -o test0 -l sqlite3

feiyan@Feiyans-MacBook-Air sqlite % ./test0

Opened database successfully

feiyan@Feiyans-MacBook-Air sqlite % gcc test1.c -o test1 -l sqlite3

feiyan@Feiyans-MacBook-Air sqlite % ./test1

Opened database successfully

Table created successfully

feiyan@Feiyans-MacBook-Air sqlite % gcc test2.c -o test2 -l sqlite3

feiyan@Feiyans-MacBook-Air sqlite % ./test2

Opened database successfully

Records created successfully

feiyan@Feiyans-MacBook-Air sqlite % gcc test3.c -o test3 -l sqlite3

feiyan@Feiyans-MacBook-Air sqlite % ./test3

Opened database successfully

Callback function called: ID = 1

NAME = Paul

AGE = 32

ADDRESS = California

SALARY = 20000.0

Callback function called: ID = 2

NAME = Allen

AGE = 25

ADDRESS = Texas

SALARY = 15000.0

Callback function called: ID = 3

NAME = Teddy

AGE = 23

ADDRESS = Norway

SALARY = 20000.0

Callback function called: ID = 4

NAME = Mark

AGE = 25

ADDRESS = Rich-Mond

SALARY = 65000.0

Operation done successfully

feiyan@Feiyans-MacBook-Air sqlite % gcc test4.c -o test4 -l sqlite3

feiyan@Feiyans-MacBook-Air sqlite % ./test4

Opened database successfully

Callback function called: ID = 1

NAME = Paul

AGE = 32

ADDRESS = California

SALARY = 25000.0

Callback function called: ID = 2

NAME = Allen

AGE = 25

ADDRESS = Texas

SALARY = 15000.0

Callback function called: ID = 3

NAME = Teddy

AGE = 23

ADDRESS = Norway

SALARY = 20000.0

Callback function called: ID = 4

NAME = Mark

AGE = 25

ADDRESS = Rich-Mond

SALARY = 65000.0

Operation done successfully

feiyan@Feiyans-MacBook-Air sqlite % gcc test5.c -o test5 -l sqlite3

feiyan@Feiyans-MacBook-Air sqlite % ./test5

Opened database successfully

Callback function called: ID = 1

NAME = Paul

AGE = 32

ADDRESS = California

SALARY = 25000.0

Callback function called: ID = 3

NAME = Teddy

AGE = 23

ADDRESS = Norway

SALARY = 20000.0

Callback function called: ID = 4

NAME = Mark

AGE = 25

ADDRESS = Rich-Mond

SALARY = 65000.0

Operation done successfully

feiyan@Feiyans-MacBook-Air sqlite % sqlite3 test.db

SQLite version 3.28.0 2019-04-15 14:49:49

Enter ".help" for usage hints.

sqlite> .databases

main: /Users/feiyan/Desktop/sqlite3/sqlite/test.db

sqlite> .tables

COMPANY

sqlite> .schema company

CREATE TABLE COMPANY(ID INT PRIMARY KEY NOT NULL,NAME TEXT NOT NULL,AGE INT NOT NULL,ADDRESS CHAR(50),SALARY REAL );

sqlite> .dump company

PRAGMA foreign\_keys=OFF;

BEGIN TRANSACTION;

CREATE TABLE COMPANY(ID INT PRIMARY KEY NOT NULL,NAME TEXT NOT NULL,AGE INT NOT NULL,ADDRESS CHAR(50),SALARY REAL );

INSERT INTO COMPANY VALUES(1,'Paul',32,'California',25000.0);

INSERT INTO COMPANY VALUES(3,'Teddy',23,'Norway',20000.0);

INSERT INTO COMPANY VALUES(4,'Mark',25,'Rich-Mond ',65000.0);

COMMIT;

sqlite> .output company.sql

sqlite> .dump company

sqlite> .exit

feiyan@Feiyans-MacBook-Air sqlite % cat company.sql

PRAGMA foreign\_keys=OFF;

BEGIN TRANSACTION;

CREATE TABLE COMPANY(ID INT PRIMARY KEY NOT NULL,NAME TEXT NOT NULL,AGE INT NOT NULL,ADDRESS CHAR(50),SALARY REAL );

INSERT INTO COMPANY VALUES(1,'Paul',32,'California',25000.0);

INSERT INTO COMPANY VALUES(3,'Teddy',23,'Norway',20000.0);

INSERT INTO COMPANY VALUES(4,'Mark',25,'Rich-Mond ',65000.0);

COMMIT;

feiyan@Feiyans-MacBook-Air sqlite %