#include <stdio.h>

#include <stdlib.h>

#include <sqlite3.h>

#include<iostream>

#include<string>

using namespace std;

static int callback(void\* NotUsed, int argc, char\*\* argv, char\*\* azColName) {

int i;

for (i = 0; i < argc; i++) {

printf("%s = %s\n", azColName[i], argv[i] ? argv[i] : "NULL");

}

printf("\n");

return 0;

}

void insertindb(string ID, string name, string add, string ph) {

sqlite3\* db;

char\* zErrMsg = 0;

int rc;

string sql;

sql = "CREATE TABLE TELDIR(" \

"ID INT PRIMARY KEY NOT NULL," \

"NAME TEXT NOT NULL," \

"ADDRESS CHAR(50)," \

"PHONE CHAR(20));";

rc = sqlite3\_open("test.db", &db);

sql = "INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) " \

"VALUES(" + ID + ", '" + name + "', '" + add + "', '" + ph + "');";

rc = sqlite3\_exec(db, sql.c\_str(), callback, 0, &zErrMsg);

if (rc) {

cout << "" << sqlite3\_errmsg(db);

cout << (0);

}

else {

cout << "Opened database successfully\n";

}

sqlite3\_close(db);

}

int main(int argc, char\* argv[]) {

sqlite3\* db;

char\* zErrMsg = 0;

int rc;

const char\* sql;

string ph;

string name;

string address;

string ID;

cout << "<----enter you detials----> " << endl;

cout << "enter your ID = ";

cin >> ID;

cout << "enter your name = ";

cin >> name;

cout << "Enter your address = ";

cin >> address;

cout << "Enter your phone number = ";

cin >> ph;

/\* Open database \*/

rc = sqlite3\_open("test.db", &db);

if (rc) {

fprintf(stderr, "Can't open database: %s\n", sqlite3\_errmsg(db));

return(0);

}

else {

fprintf(stdout, "Opened database successfully\n");

}

/\* Create SQL statement \*/

sql = "CREATE TABLE TELDIR(" \

"ID INT PRIMARY KEY NOT NULL," \

"NAME TEXT NOT NULL," \

"ADDRESS CHAR(50)," \

"PHONE CHAR(20));";

/\* Execute SQL statement \*/

rc = sqlite3\_exec(db, sql, callback, 0, &zErrMsg);

/\* Create SQL statement \*/

sql = "INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (1, 'Abbas', 'California', '021-5556664' ) ;"\

"INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (2, 'Fatima', 'Karachi', '021-55878688' ) ;"\

"INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (3, 'Masood', 'Islamabad', '021-52356908' ) ;"\

"INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (4, 'Hamza', 'Mombasa', '021-242524252' ) ;"\

"INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (5, 'Haniya', 'Quetta', '021-242524252' ) ;"\

"INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (7, 'Coke', 'Quetta', '021-2424252' ) ;";

insertindb("10", "Jamil", address, ph);

rc = sqlite3\_exec(db, sql, callback, 0, &zErrMsg);

rc = sqlite3\_exec(db, sql, callback, 0, &zErrMsg);

sql = "SELECT \* from TELDIR";

sql = "INSERT INTO TELDIR (ID,NAME,ADDRESS,PHONE) "\

"VALUES (9, 'Abba', 'Florida', '021-522342564' ) ;";

insertindb("11", "Sadib", address, ph);

insertindb("12", name, address, ph);

insertindb("13", name, address, ph);

int a = 1;

while (a < 5) {

insertindb(ID, name, address, ph);

a++;

}

rc = sqlite3\_exec(db, sql, callback, 0, &zErrMsg);

sql = "SELECT \* from TELDIR";

/\* Execute SQL statement \*/

rc = sqlite3\_exec(db, sql, callback, 0, &zErrMsg);

if (rc != SQLITE\_OK) {

fprintf(stderr, "SQL error: %s\n", zErrMsg);

sqlite3\_free(zErrMsg);

}

else {

fprintf(stdout, "Table created successfully\n");

}

sqlite3\_close(db);

}