1º) Instalación y uso de SQLite.

(A) Tabla de empleados.

1) Ejecuta sqlite3.exe en modo consola y crea una nueva BD ejemplo:

```
C:\Users\Jake>sqlite3.exe
SQLite version 3.39.4 2022-09-29 15:55:41
Enter ".help" for usage hints.
Connected to a transient in-memory database.
Use ".open FILENAME" to reopen on a persistent database.
sqlite>
```

2) Crea una tabla de emple con la estructura:
deptno entero (de 0 a 255, tynit), PK
nombre varchar(15)
y valores a los campos.

```
sqlite> create table emple(
   ...> deptno tinyint(2) not null primary key,
   ...> nombre varchar(15));
sqlite> insert into emple values(10,'contabilidad');
sqlite> insert into emple values(20,'marketing');
sqlite> insert into emple values(30,'informatica');
sqlite>
```

3) Observa todas las operaciones de definición y manipulación que puedes hacer con esta BD embebida.

```
sqlite> .help
.archive ...             Manage SQL archives
.auth ON|OFF             Show authorizer callbacks
.backup ?DB? FILE        Backup DB (default "main") to FILE
.bail on|off             Stop after hitting an error.  Default OFF
.binary on|off           Turn binary output on or off.  Default OFF
.cd DIRECTORY            Change the working directory to DIRECTORY
.changes on|off          Show number of rows changed by SQL
.check GLOB              Fail if output since .testcase does not match
.clone NEWDB             Clone data into NEWDB from the existing database
.connection [close] [#]  Open or close an auxiliary database connection
.databases               List names and files of attached databases
.dbconfig ?op? ?val?     List or change sqlite3_db_config() options
.dbinfo ?DB?             Show status information about the database
.dump ?OBJECTS?          Render database content as SQL
.echo on|off             Turn command echo on or off
.eqp on|off|full|...     Enable or disable automatic EXPLAIN QUERY PLAN
.excel                   Display the output of next command in spreadsheet
.exit ?CODE?             Exit this program with return-code CODE
.expert                  EXPERIMENTAL. Suggest indexes for queries
.explain ?on|off|auto?   Change the EXPLAIN formatting mode.  Default: auto
.filectrl CMD ...        Run various sqlite3_file_control() operations
.fullschema ?--indent?   Show schema and the content of sqlite_stat tables
.headers on|off          Turn display of headers on or off
.help ?-all? ?PATTERN?   Show help text for PATTERN
.import FILE TABLE       Import data from FILE into TABLE
.imposter INDEX TABLE    Create imposter table TABLE on index INDEX
.indexes ?TABLE?         Show names of indexes
.limit ?LIMIT? ?VAL?     Display or change the value of an SQLITE_LIMIT
.lint OPTIONS            Report potential schema issues.
.load FILE ?ENTRY?       Load an extension library
.log FILE|off            Turn logging on or off.  FILE can be stderr/stdout
.mode MODE ?OPTIONS?     Set output mode
.nonce STRING            Suspend safe mode for one command if nonce matches
.nullvalue STRING        Use STRING in place of NULL values
.once ?OPTIONS? ?FILE?   Output for the next SQL command only to FILE
.open ?OPTIONS? ?FILE?   Close existing database and reopen FILE
.output ?FILE?           Send output to FILE or stdout if FILE is omitted
.parameter CMD ...       Manage SQL parameter bindings
.print STRING...         Print literal STRING
.progress N              Invoke progress handler after every N opcodes
.prompt MAIN CONTINUE    Replace the standard prompts
.quit                    Exit this program
.read FILE               Read input from FILE or command output
.recover                 Recover as much data as possible from corrupt db.
.restore ?DB? FILE       Restore content of DB (default "main") from FILE
.save ?OPTIONS? FILE     Write database to FILE (an alias for .backup ...)
.scanstats on|off        Turn sqlite3_stmt_scanstatus() metrics on or off
.schema ?PATTERN?        Show the CREATE statements matching PATTERN
.selftest ?OPTIONS?      Run tests defined in the SELFTEST table
```

4) Muestra la descripción (o estructura) de la tabla:

```
sqlite> .fullschema
CREATE TABLE emple(
deptno tinyint(2) not null primary key,
nombre varchar(15));
/* No STAT tables available */
sqlite>
```

5) Muestra todos los datos almacenados en la tabla emple:

```
sqlite> select * from emple;
10|contabilidad
20|marketing
30|informatica
sqlite>
```

(B) Crea las tablas Empleados y Departamentos en una nueva BD SQLite con registros y la siguiente
estructura:

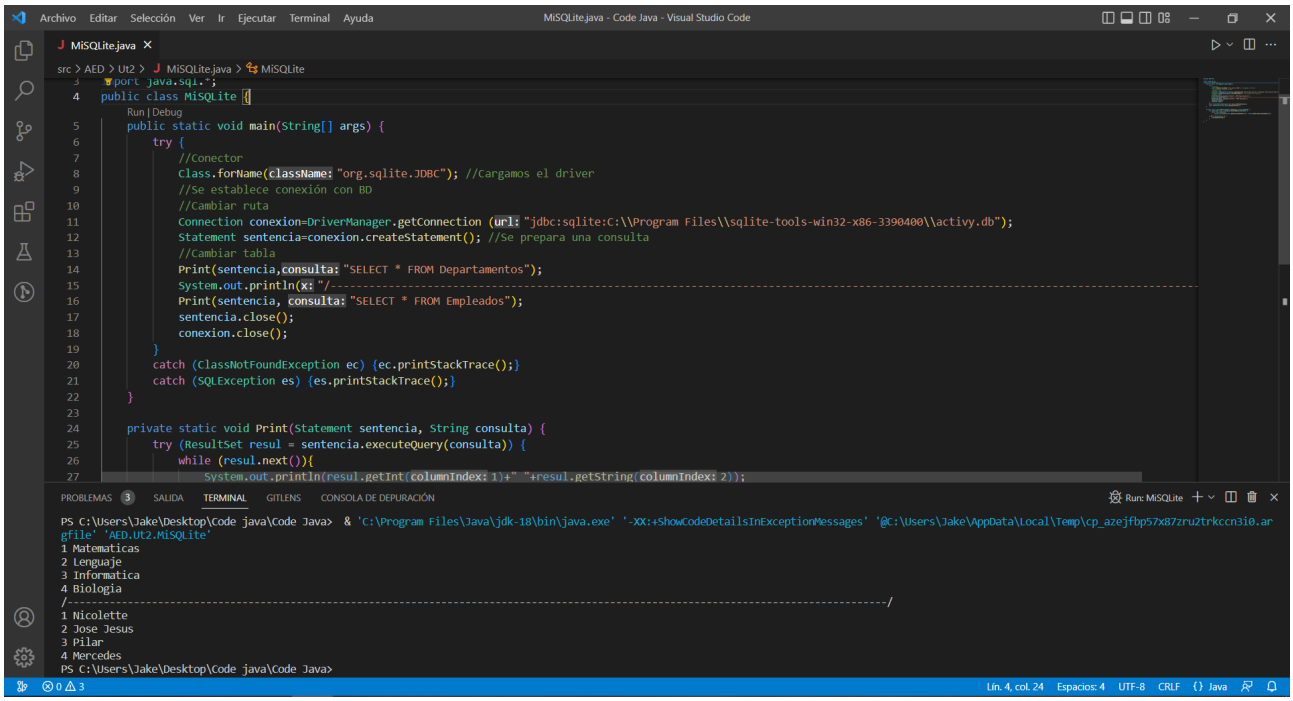
Departamentos	Empleados
Deptno numérico, clave primaria	Empno numérico, clave primaria
NombreDeptno varchar(15)	NombreEmpno varchar(20)
Localidad varchar(15)	Cargo varchar(10)
	Fechalng date
	Salario numérico
	Comision numérico
	Deptno numérico, clave ajena (a Departamentos)

```
sqlite> create table Departamentos(
   ...> deptno int not null primary key,
   ...> nombredeptno varchar(15),
   ...> localidad varchar(15));
sqlite> .fullschema
CREATE TABLE Departamentos(
deptno int not null primary key,
nombredeptno varchar(15),
localidad varchar(15));
/* No STAT tables available */
sqlite>
```

```
sqlite> create table Empleados(
   ...> empno int not null primary key,
   ...> nombreempno varchar(20),
   ...> cargo varchar(10),
   ...> fechalng date,
   ...> salario int,
   ...> comision int,
   ...> deptno int,
   ...> foreign key(deptno) references Departamentos(deptno));
sqlite> .fullschema
CREATE TABLE Departamentos(
deptno int not null primary key,
nombredeptno varchar(15),
localidad varchar(15));
CREATE TABLE Empleados(
empno int not null primary key,
nombreempno varchar(20),
cargo varchar(10),
fechalng date,
salario int,
comision int,
deptno int,
foreign key(deptno) references Departamentos(deptno));
```

2º) Conexión con Java.

Desde Java, conecta con JDBC con una de las BD creadas en el punto anterior (Emple) y muestra todos los datos almacenados.



Si quieres testearlo tu te paso la tabla con los datos y el código