



BASE DE DATOS

PROFESOR:

Ing. Yadira Franco R

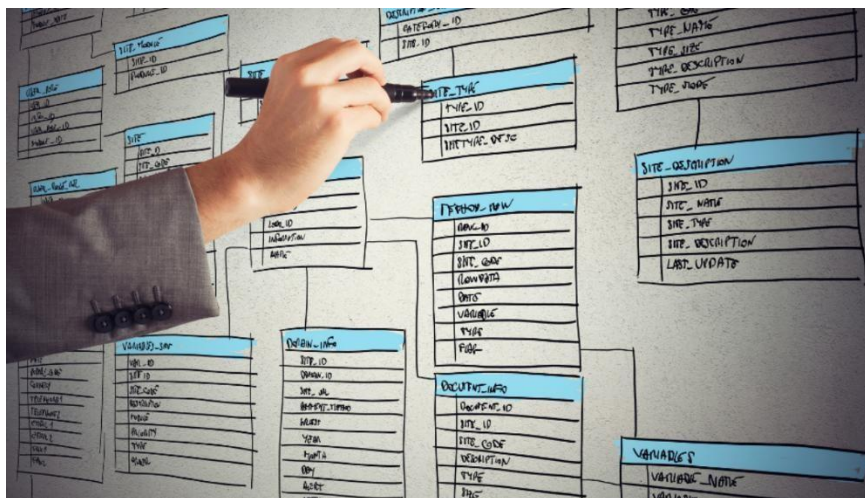
PERÍODO ACADÉMICO:

2025-A

TAREA

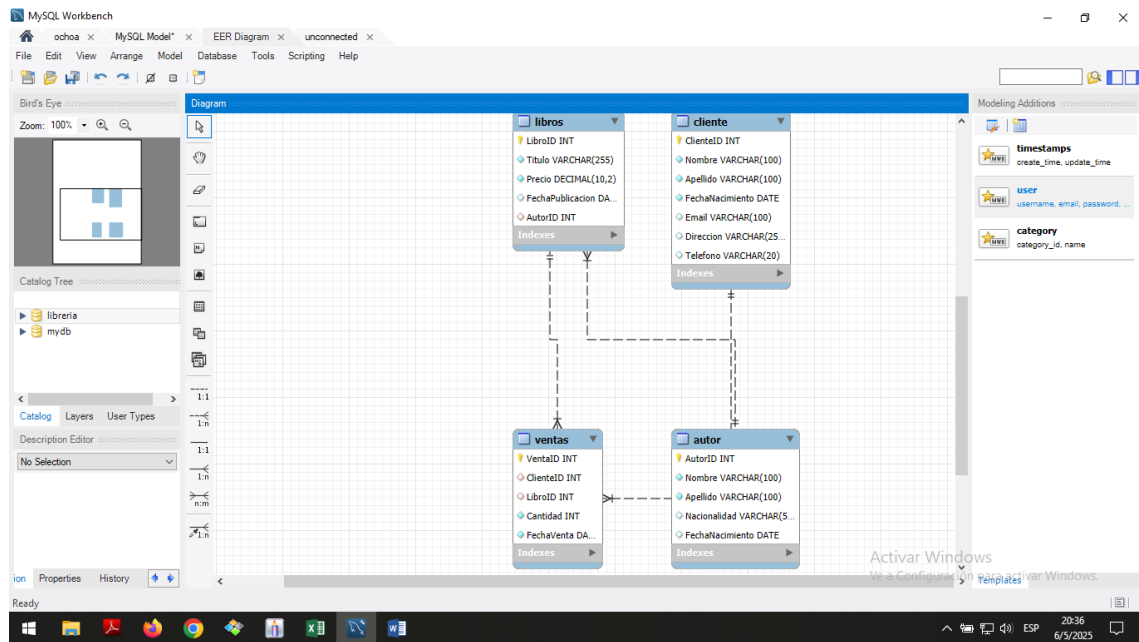
TÍTULO:

INVESTIGACIÓN Y PRACTICA



Estudiante Luis Xavier Ochoa Calle

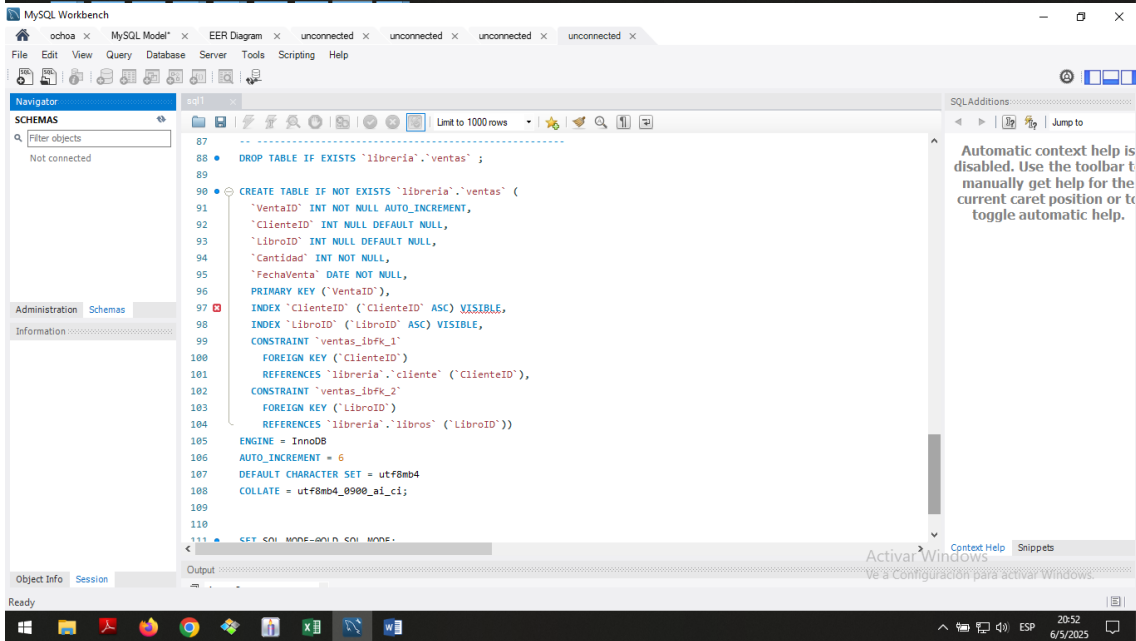
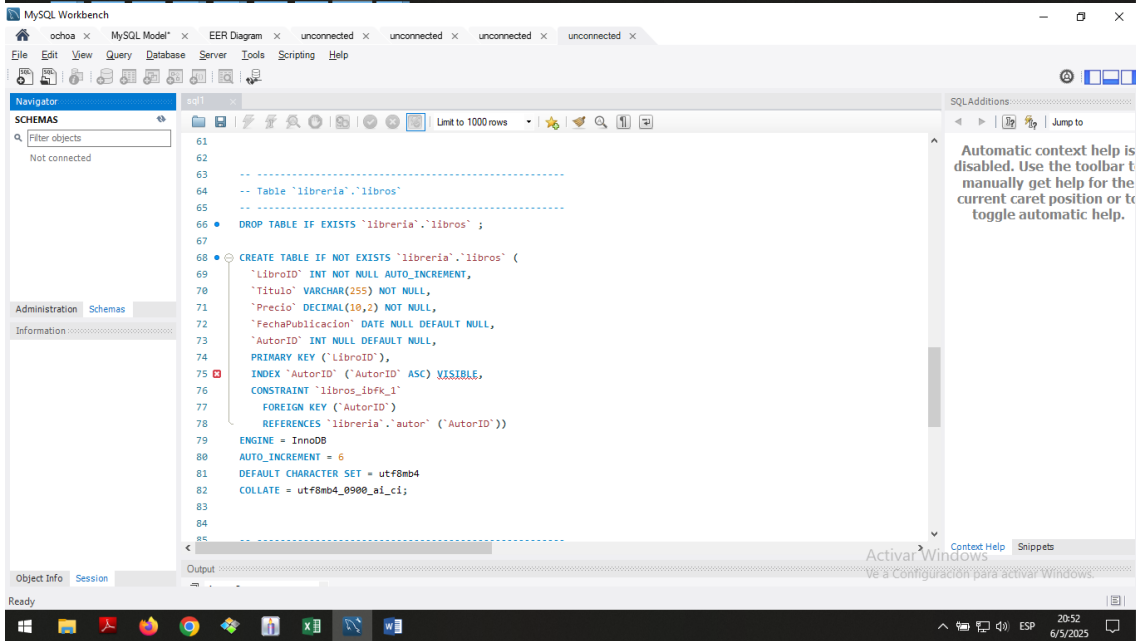
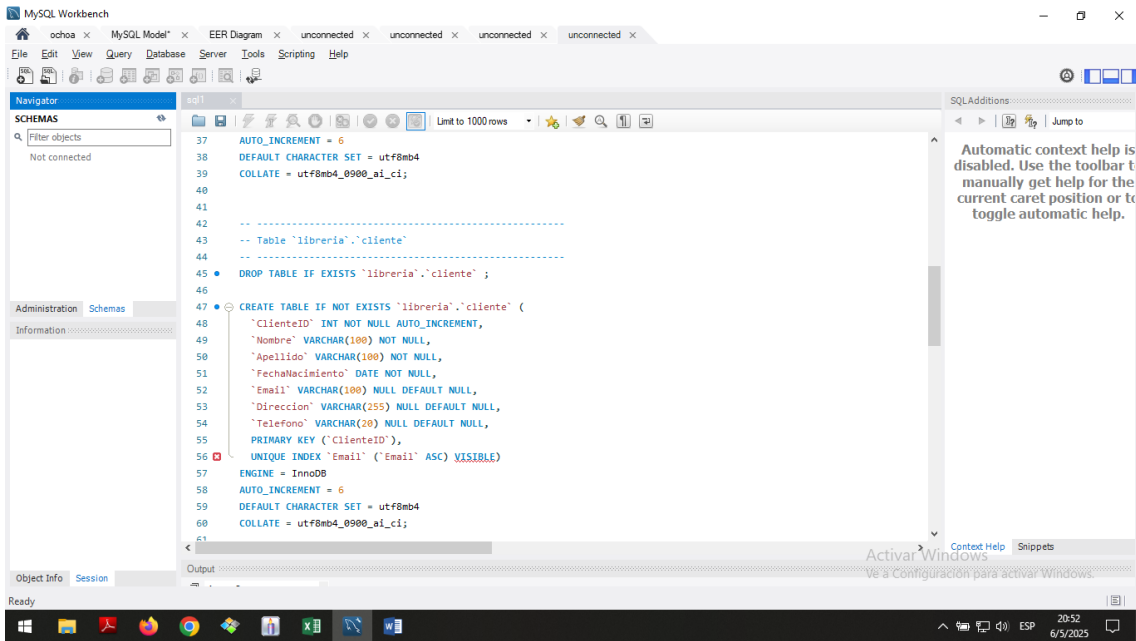
Visualizar las relaciones



Capturas del script completo

```
1 -- MySQL Script generated by MySQL Workbench
2 -- Tue May 6 20:21:31 2025
3 -- Model: New Model Version: 1.0
4 -- MySQL Workbench Forward Engineering
5
6 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
7 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
8 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
9
10
11 -- Schema mydb
12
13
14 -- Schema libreria
15
16 DROP SCHEMA IF EXISTS `libreria` ;
17
18
19 -- Schema libreria
20
21 CREATE SCHEMA IF NOT EXISTS `libreria` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;
22 USE `libreria` ;
23
24
25 -- Table `libreria`.`autor`
26
27 DROP TABLE IF EXISTS `libreria`.`autor` ;
28
29 CREATE TABLE IF NOT EXISTS `libreria`.`autor` (
30   `AutorID` INT NOT NULL AUTO_INCREMENT,
31   `Nombre` VARCHAR(100) NOT NULL,
32   `Apellido` VARCHAR(100) NOT NULL,
33   `Nacionalidad` VARCHAR(50) NULL DEFAULT NULL,
34   `FechaNacimiento` DATE NULL DEFAULT NULL,
35   PRIMARY KEY (`AutorID`))
36 ENGINE = InnoDB
37 AUTO_INCREMENT = 6
38 DEFAULT CHARACTER SET = utf8mb4
39 COLLATE = utf8mb4_0900_ai_ci;
40
41
42 -- Table `libreria`.`cliente`
43
44 DROP TABLE IF EXISTS `libreria`.`cliente` ;
45
46 CREATE TABLE IF NOT EXISTS `libreria`.`cliente` (
47   `ClienteID` INT NOT NULL AUTO_INCREMENT,
48   `Nombre` VARCHAR(100) NOT NULL,
49   `Apellido` VARCHAR(100) NOT NULL,
50   `FechaNacimiento` DATE NULL DEFAULT NULL,
51   `Email` VARCHAR(100) NULL DEFAULT NULL,
52   `Direccion` VARCHAR(255) NULL DEFAULT NULL,
53   `Telefono` VARCHAR(20) NULL DEFAULT NULL,
54   PRIMARY KEY (`ClienteID`))
55 ENGINE = InnoDB
56 AUTO_INCREMENT = 6
57 DEFAULT CHARACTER SET = utf8mb4
58 COLLATE = utf8mb4_0900_ai_ci;
59
60
61 -- Table `libreria`.`libros`
62
63 DROP TABLE IF EXISTS `libreria`.`libros` ;
64
65 CREATE TABLE IF NOT EXISTS `libreria`.`libros` (
66   `LibroID` INT NOT NULL AUTO_INCREMENT,
67   `Titulo` VARCHAR(255) NOT NULL,
68   `Precio` DECIMAL(10,2) NOT NULL,
69   `FechaPublicacion` DATE NULL DEFAULT NULL,
70   `AutorID` INT NOT NULL,
71   PRIMARY KEY (`LibroID`),
72   FOREIGN KEY (`AutorID`) REFERENCES `libreria`.`autor` (`AutorID`))
73 ENGINE = InnoDB
74 AUTO_INCREMENT = 6
75 DEFAULT CHARACTER SET = utf8mb4
76 COLLATE = utf8mb4_0900_ai_ci;
77
78
79 -- Table `libreria`.`ventas`
80
81 DROP TABLE IF EXISTS `libreria`.`ventas` ;
82
83 CREATE TABLE IF NOT EXISTS `libreria`.`ventas` (
84   `VentaID` INT NOT NULL AUTO_INCREMENT,
85   `ClienteID` INT NOT NULL,
86   `LibroID` INT NOT NULL,
87   `Cantidad` INT NOT NULL,
88   `FechaVenta` DATE NULL DEFAULT NULL,
89   PRIMARY KEY (`VentaID`),
90   FOREIGN KEY (`ClienteID`) REFERENCES `libreria`.`cliente` (`ClienteID`),
91   FOREIGN KEY (`LibroID`) REFERENCES `libreria`.`libros` (`LibroID`))
92 ENGINE = InnoDB
93 AUTO_INCREMENT = 6
94 DEFAULT CHARACTER SET = utf8mb4
95 COLLATE = utf8mb4_0900_ai_ci;
```

```
19 -- Schema libreria
20
21 CREATE SCHEMA IF NOT EXISTS `libreria` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;
22 USE `libreria` ;
23
24
25 -- Table `libreria`.`autor`
26
27 DROP TABLE IF EXISTS `libreria`.`autor` ;
28
29 CREATE TABLE IF NOT EXISTS `libreria`.`autor` (
30   `AutorID` INT NOT NULL AUTO_INCREMENT,
31   `Nombre` VARCHAR(100) NOT NULL,
32   `Apellido` VARCHAR(100) NOT NULL,
33   `Nacionalidad` VARCHAR(50) NULL DEFAULT NULL,
34   `FechaNacimiento` DATE NULL DEFAULT NULL,
35   PRIMARY KEY (`AutorID`))
36 ENGINE = InnoDB
37 AUTO_INCREMENT = 6
38 DEFAULT CHARACTER SET = utf8mb4
39 COLLATE = utf8mb4_0900_ai_ci;
40
41
42 -- Table `libreria`.`cliente`
43
44 DROP TABLE IF EXISTS `libreria`.`cliente` ;
45
46 CREATE TABLE IF NOT EXISTS `libreria`.`cliente` (
47   `ClienteID` INT NOT NULL AUTO_INCREMENT,
48   `Nombre` VARCHAR(100) NOT NULL,
49   `Apellido` VARCHAR(100) NOT NULL,
50   `FechaNacimiento` DATE NULL DEFAULT NULL,
51   `Email` VARCHAR(100) NULL DEFAULT NULL,
52   `Direccion` VARCHAR(255) NULL DEFAULT NULL,
53   `Telefono` VARCHAR(20) NULL DEFAULT NULL,
54   PRIMARY KEY (`ClienteID`))
55 ENGINE = InnoDB
56 AUTO_INCREMENT = 6
57 DEFAULT CHARACTER SET = utf8mb4
58 COLLATE = utf8mb4_0900_ai_ci;
59
60
61 -- Table `libreria`.`libros`
62
63 DROP TABLE IF EXISTS `libreria`.`libros` ;
64
65 CREATE TABLE IF NOT EXISTS `libreria`.`libros` (
66   `LibroID` INT NOT NULL AUTO_INCREMENT,
67   `Titulo` VARCHAR(255) NOT NULL,
68   `Precio` DECIMAL(10,2) NOT NULL,
69   `FechaPublicacion` DATE NULL DEFAULT NULL,
70   `AutorID` INT NOT NULL,
71   PRIMARY KEY (`LibroID`),
72   FOREIGN KEY (`AutorID`) REFERENCES `libreria`.`autor` (`AutorID`))
73 ENGINE = InnoDB
74 AUTO_INCREMENT = 6
75 DEFAULT CHARACTER SET = utf8mb4
76 COLLATE = utf8mb4_0900_ai_ci;
77
78
79 -- Table `libreria`.`ventas`
80
81 DROP TABLE IF EXISTS `libreria`.`ventas` ;
82
83 CREATE TABLE IF NOT EXISTS `libreria`.`ventas` (
84   `VentaID` INT NOT NULL AUTO_INCREMENT,
85   `ClienteID` INT NOT NULL,
86   `LibroID` INT NOT NULL,
87   `Cantidad` INT NOT NULL,
88   `FechaVenta` DATE NULL DEFAULT NULL,
89   PRIMARY KEY (`VentaID`),
90   FOREIGN KEY (`ClienteID`) REFERENCES `libreria`.`cliente` (`ClienteID`),
91   FOREIGN KEY (`LibroID`) REFERENCES `libreria`.`libros` (`LibroID`))
92 ENGINE = InnoDB
93 AUTO_INCREMENT = 6
94 DEFAULT CHARACTER SET = utf8mb4
95 COLLATE = utf8mb4_0900_ai_ci;
```



Capturas de los registros

MySQL Workbench

ochoa x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

libreria

Tables

autor

cliente

libros

ventas

Views

Stored Procedures

Functions

sakila

Administration

Schemas

Information

Table: autor

Columns:

AutorID

Nombre

Apellido

Nacionalidad

FechaNacimiento

int AI PK

varchar(10)

varchar(10)

varchar(50)

date

1

SELECT * FROM libreria.autor;

Result Grid

Filter Rows:

Aut

Grid

Export/Import

Wrap Cell Contents

Result Grid

Form Editor

Output

Action Output

#

Time

Action

Message

Duration / Fetch

91

21:25:35

SELECT * FROM libreria.ventas

5 row(s) returned

0.000 sec / 0.000 sec

92

21:26:29

SELECT * FROM libreria.autor

5 row(s) returned

0.000 sec / 0.000 sec

93

21:26:31

SELECT * FROM libreria.cliente

5 row(s) returned

0.000 sec / 0.000 sec

94

21:26:33

SELECT * FROM libreria.libros

5 row(s) returned

0.000 sec / 0.000 sec

95

21:26:34

SELECT * FROM libreria.ventas

5 row(s) returned

0.000 sec / 0.000 sec

96

21:26:38

SELECT * FROM libreria.autor

5 row(s) returned

0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Activar Windows

Ve a Configuración para activar

Windows Taskbar

21:26

6/5/2025

MySQL Workbench

ochoa x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

libreria

Tables

autor

cliente

libros

ventas

Views

Stored Procedures

Functions

sakila

Administration

Schemas

Information

Table: autor

Columns:

AutorID

Nombre

Apellido

Nacionalidad

FechaNacimiento

int AI PK

varchar(10)

varchar(10)

varchar(50)

date

1

SELECT * FROM libreria.cliente;

Result Grid

Filter Rows:

Aut

Grid

Export/Import

Wrap Cell Contents

Result Grid

Form Editor

Output

Action Output

#

Time

Action

Message

Duration / Fetch

92

21:26:29

SELECT * FROM libreria.autor

5 row(s) returned

0.000 sec / 0.000 sec

93

21:26:31

SELECT * FROM libreria.cliente

5 row(s) returned

0.000 sec / 0.000 sec

94

21:26:33

SELECT * FROM libreria.libros

5 row(s) returned

0.000 sec / 0.000 sec

95

21:26:34

SELECT * FROM libreria.ventas

5 row(s) returned

0.000 sec / 0.000 sec

96

21:26:38

SELECT * FROM libreria.autor

5 row(s) returned

0.000 sec / 0.000 sec

97

21:26:51

SELECT * FROM libreria.cliente

5 row(s) returned

0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Activar Windows

Ve a Configuración para activar

Windows Taskbar

21:26

6/5/2025

MySQL Workbench

ochoa x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

libreria

Tables

autor

cliente

libros

ventas

Views

Stored Procedures

Functions

sakila

Administration Schemas

Information

Table: autor

Columns:

autorID int AI PK
Nombre varchar(10)
Apellido varchar(10)
Nacionalidad varchar(50)
FechaNacimiento date

1 • SELECT * FROM libreria.libros;

Result Grid

LibroID	Título	Precio	FechaPublicacion	AutorID
1	Cien años de soledad	49.99	1967-05-30	1
2	La casa de los espíritus	39.50	1982-10-10	2
3	La ciudad y los perros	44.00	1963-01-01	3
4	Delirio	35.75	2004-03-15	4
5	Ficciones	42.25	1944-01-01	5

libros 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
93	21:26:31	SELECT * FROM libreria.cliente	5 row(s) returned	0.000 sec / 0.000 sec
94	21:26:33	SELECT * FROM libreria.libros	5 row(s) returned	0.000 sec / 0.000 sec
95	21:26:34	SELECT * FROM libreria.ventas	5 row(s) returned	0.000 sec / 0.000 sec
96	21:26:38	SELECT * FROM libreria.autor	5 row(s) returned	0.000 sec / 0.000 sec
97	21:26:51	SELECT * FROM libreria.cliente	5 row(s) returned	0.000 sec / 0.000 sec
98	21:26:58	SELECT * FROM libreria.libros	5 row(s) returned	0.000 sec / 0.000 sec

Activar Windows
Ve a Configuración para activar

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

ochoa x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

libreria

Tables

autor

cliente

libros

ventas

Views

Stored Procedures

Functions

sakila

Administration Schemas

Information

Table: autor

Columns:

autorID int AI PK
Nombre varchar(10)
Apellido varchar(10)
Nacionalidad varchar(50)
FechaNacimiento date

1 • SELECT * FROM libreria.ventas;

Result Grid

VentaID	ClienteID	LibroID	Cantidad	FechaVenta
1	1	1	1	2025-05-01
2	2	2	2	2025-05-02
3	3	3	1	2025-05-03
4	4	4	3	2025-05-04
5	5	5	1	2025-05-05

ventas 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
94	21:26:33	SELECT * FROM libreria.libros	5 row(s) returned	0.000 sec / 0.000 sec
95	21:26:34	SELECT * FROM libreria.ventas	5 row(s) returned	0.000 sec / 0.000 sec
96	21:26:38	SELECT * FROM libreria.autor	5 row(s) returned	0.000 sec / 0.000 sec
97	21:26:51	SELECT * FROM libreria.cliente	5 row(s) returned	0.000 sec / 0.000 sec
98	21:26:58	SELECT * FROM libreria.libros	5 row(s) returned	0.000 sec / 0.000 sec
99	21:27:04	SELECT * FROM libreria.ventas	5 row(s) returned	0.000 sec / 0.000 sec

Activar Windows
Ve a Configuración para activar

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Portapapeles 24 de 24
Elemento no recopilado: elimine elementos para aumentar el espacio disponible