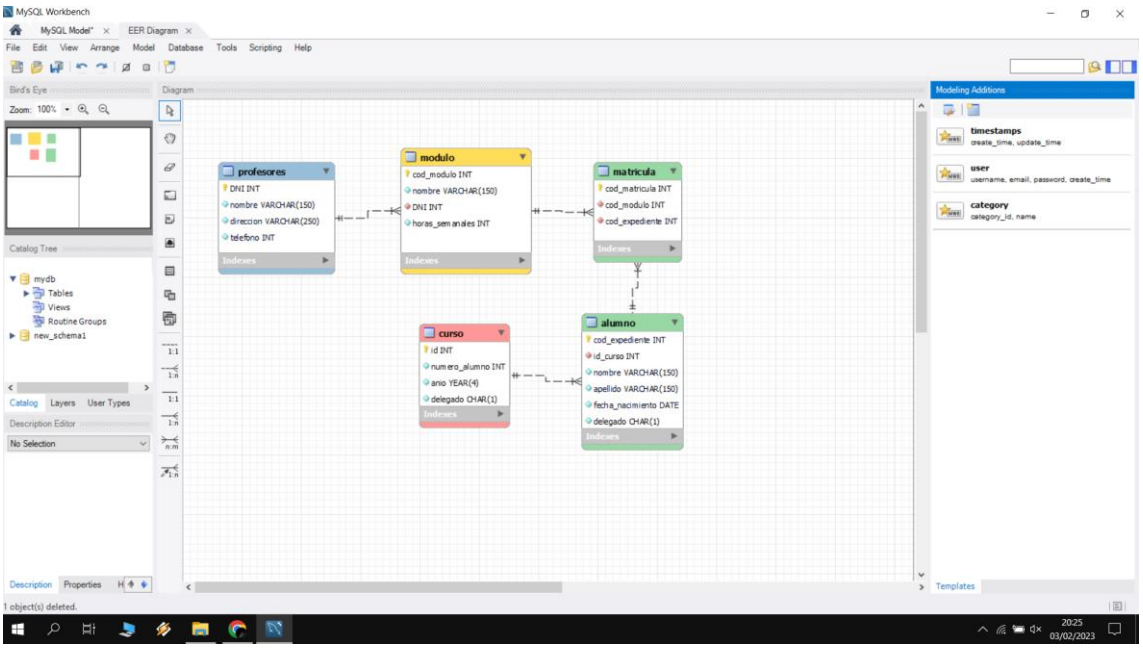
Ejercicio 2.1

Ejercicio1



-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

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';

-- ---

-- Schema mydb

-- ---

-- ---

-- Schema mydb

-- ---

CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;

USE `mydb` ;

-- ---

-- Table `mydb`.`profesor`

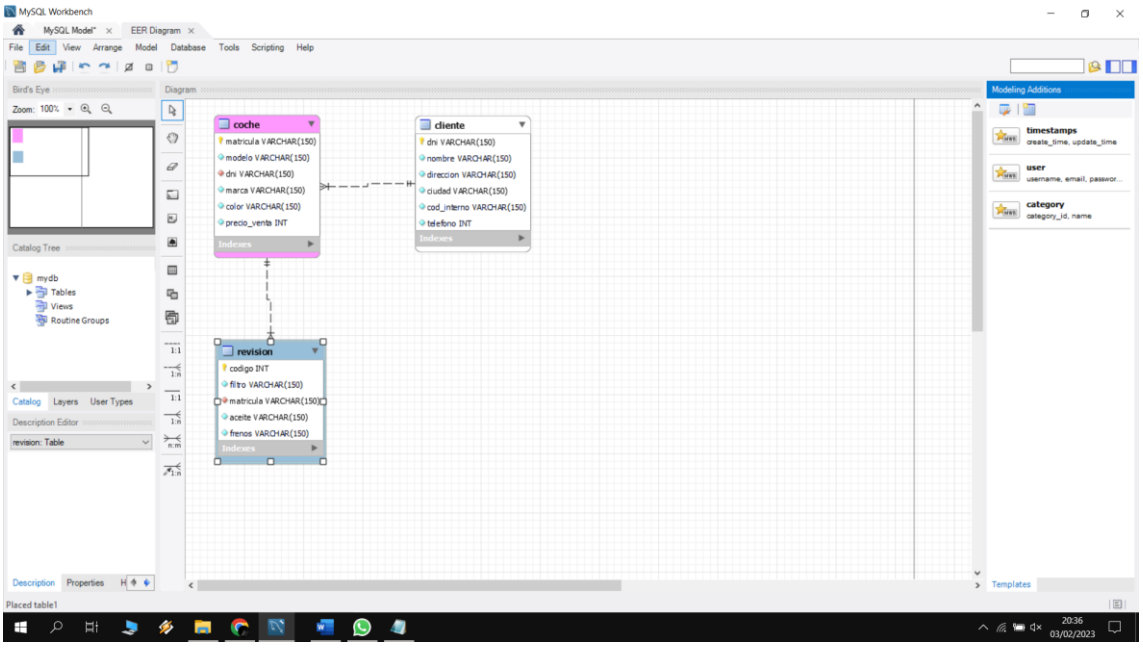
-- ---

```
CREATE TABLE IF NOT EXISTS `mydb`.`profesor` (
  `DNI` INT NOT NULL,
  `nombre` VARCHAR(45) NULL,
  `direccion` VARCHAR(45) NULL,
  `telefono` VARCHAR(9) NULL,
  PRIMARY KEY (`DNI`))
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`modulo`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`modulo` (
  `cod_modulo` INT NOT NULL,
  `nombre` VARCHAR(45) NOT NULL,
  `DNI` INT NOT NULL,
  `horas_semanales` INT NOT NULL,
  PRIMARY KEY (`cod_modulo`),
  INDEX `dni_idx` (`DNI` ASC) VISIBLE,
  CONSTRAINT `dni`
    FOREIGN KEY (`DNI`)
    REFERENCES `mydb`.`profesor` (`DNI`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`alumno`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`alumno` (
  `n_expediente` INT NOT NULL,
  `nombre` VARCHAR(45) NOT NULL,
  `apellidos` VARCHAR(45) NOT NULL,
  `fecha_nacimiento` DATE NOT NULL,
```

```
  `telefono_contacto` INT NULL,
  PRIMARY KEY (`n_expediente`))
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`matricula`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`matricula` (
  `cod_matricula` INT NOT NULL,
  `cod_modulo` INT NOT NULL,
  `n_expediente` INT NOT NULL,
  PRIMARY KEY (`cod_matricula`),
  INDEX `n_exped_idx` (`n_expediente` ASC) VISIBLE,
  INDEX `cod_modu_idx` (`cod_modulo` ASC) VISIBLE,
  CONSTRAINT `n_exped`
    FOREIGN KEY (`n_expediente`)
    REFERENCES `mydb`.`alumno` (`n_expediente`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `cod_modu`
    FOREIGN KEY (`cod_modulo`)
    REFERENCES `mydb`.`modulo` (`cod_modulo`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`curso`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`curso` (
  `id` INT NOT NULL,
  `n_estudiantes` INT NOT NULL,
  `n_expediente` INT NOT NULL,
```

```
  PRIMARY KEY (`id`),
  INDEX `n_expe_idx` (`n_expediente` ASC) VISIBLE,
  CONSTRAINT `n_expe`
    FOREIGN KEY (`n_expediente`)
    REFERENCES `mydb`.`alumno` (`n_expediente`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

Ejercicio 2

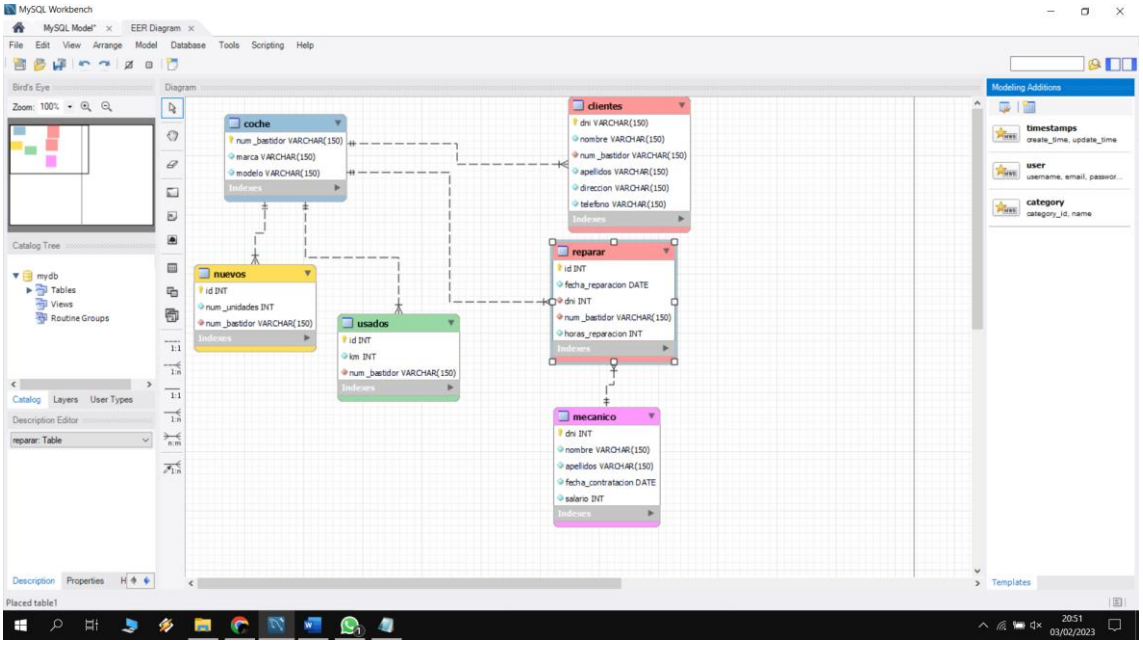



```
-- MySQL Workbench Forward Engineering


SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIV
ISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
```

```
-- -----------------------------------------------------
-- Schema mydb
-- -----------------------------------------------------


-- -----------------------------------------------------
-- Schema mydb
-- -----------------------------------------------------
CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;
USE `mydb` ;


-- -----------------------------------------------------
-- Table `mydb`.`cliente`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`cliente` (
  `dni` VARCHAR(150) NOT NULL,
  `nombre` VARCHAR(150) NOT NULL,
  `direccion` VARCHAR(150) NOT NULL,
  `ciudad` VARCHAR(150) NOT NULL,
  `cod_interno` VARCHAR(150) NOT NULL,
  `telefono` INT NOT NULL,
  PRIMARY KEY (`dni`))
ENGINE = InnoDB;



-- -----------------------------------------------------
-- Table `mydb`.`coche`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`coche` (
  `matricula` VARCHAR(150) NOT NULL,
  `modelo` VARCHAR(150) NOT NULL,
  `dni` VARCHAR(150) NOT NULL,
  `marca` VARCHAR(150) NOT NULL,
  `color` VARCHAR(150) NOT NULL,
  `precio_venta` INT NOT NULL,
  PRIMARY KEY (`matricula`),
```

```
  INDEX `dni_idx` (`dni` ASC) VISIBLE,
  CONSTRAINT `dni`
    FOREIGN KEY (`dni`)
    REFERENCES `mydb`.`cliente` (`dni`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`revision`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`revision` (
  `codigo` INT NOT NULL,
  `filtro` VARCHAR(150) NOT NULL,
  `matricula` VARCHAR(150) NOT NULL,
  `aceite` VARCHAR(150) NOT NULL,
  `frenos` VARCHAR(150) NOT NULL,
  PRIMARY KEY (`codigo`),
  INDEX `matricula_idx` (`matricula` ASC) VISIBLE,
  CONSTRAINT `matricula`
    FOREIGN KEY (`matricula`)
    REFERENCES `mydb`.`coche` (`matricula`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

Ejercicio 3



-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

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';

-- ---

-- Schema mydb

-- ---

-- ---

-- Schema mydb

-- ---

CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;

USE `mydb` ;

-- ---

-- Table `mydb`.`coche`

-- ---

CREATE TABLE IF NOT EXISTS `mydb`.`coche` (

`num_bastidor` VARCHAR(150) NOT NULL,

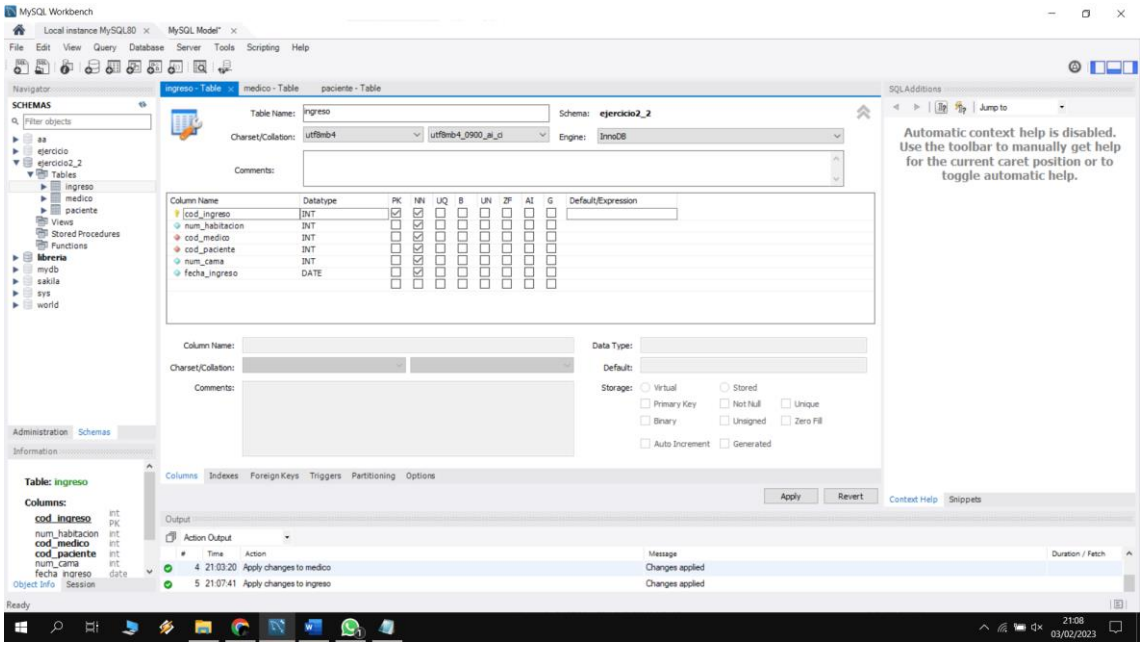
```
  `marca` VARCHAR(150) NOT NULL,
  `modelo` VARCHAR(150) NOT NULL,
  PRIMARY KEY (`num_bastidor`))
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`nuevos`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`nuevos` (
  `id` INT NOT NULL,
  `num_unidades` INT NOT NULL,
  `num_bastidor` VARCHAR(150) NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `bastidor_coche_idx` (`num_bastidor` ASC) VISIBLE,
  CONSTRAINT `bastidor_coche`
    FOREIGN KEY (`num_bastidor`)
    REFERENCES `mydb`.`coche` (`num_bastidor`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`usados`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`usados` (
  `id` INT NOT NULL,
  `km` INT NOT NULL,
  `num_bastidor` VARCHAR(150) NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `coche_idx` (`num_bastidor` ASC) VISIBLE,
  CONSTRAINT `coche`
    FOREIGN KEY (`num_bastidor`)
    REFERENCES `mydb`.`coche` (`num_bastidor`)
```

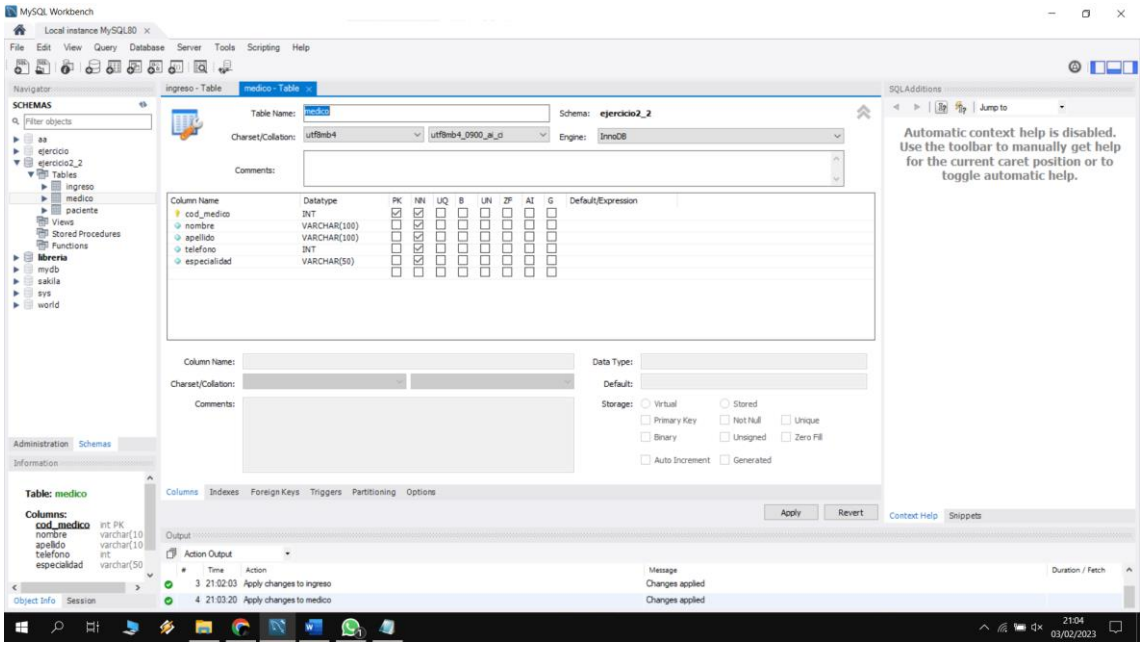
```
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`mecanico`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`mecanico` (
  `dni` INT NOT NULL,
  `nombre` VARCHAR(150) NOT NULL,
  `apellidos` VARCHAR(150) NOT NULL,
  `fecha_contratacion` DATE NOT NULL,
  `salario` INT NOT NULL,
  PRIMARY KEY (`dni`))
ENGINE = InnoDB;


-- -----------------------------------------------------
-- Table `mydb`.`reparar`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`reparar` (
  `id` INT NOT NULL,
  `fecha_reparacion` DATE NOT NULL,
  `dni` INT NOT NULL,
  `num_bastidor` VARCHAR(150) NOT NULL,
  `horas_reparacion` INT NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `coche_idx` (`num_bastidor` ASC) VISIBLE,
  INDEX `mecanico_idx` (`dni` ASC) VISIBLE,
  CONSTRAINT `coche`
    FOREIGN KEY (`num_bastidor`)
    REFERENCES `mydb`.`coche` (`num_bastidor`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
```

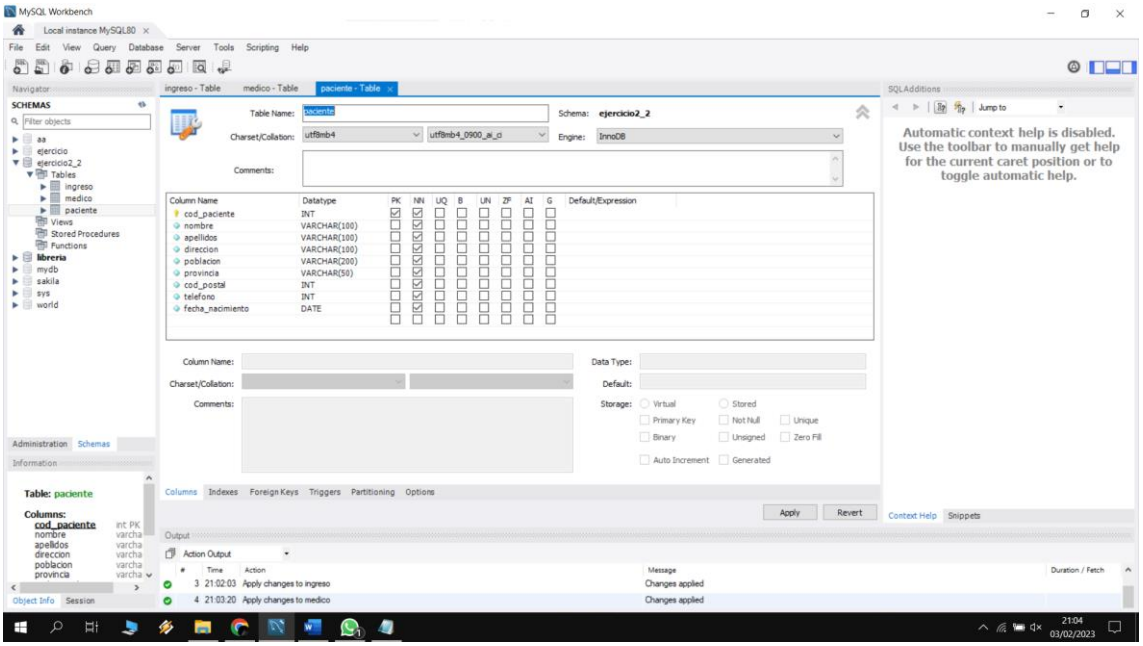
```
  CONSTRAINT `mecanico`
    FOREIGN KEY (`dni`)
    REFERENCES `mydb`.`mecanico` (`dni`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;



-- -----------------------------------------------------
-- Table `mydb`.`clientes`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `mydb`.`clientes` (
  `dni` VARCHAR(150) NOT NULL,
  `nombre` VARCHAR(150) NOT NULL,
  `num_bastidor` VARCHAR(150) NOT NULL,
  `apellidos` VARCHAR(150) NOT NULL,
  `direccion` VARCHAR(150) NOT NULL,
  `telefono` VARCHAR(150) NOT NULL,
  PRIMARY KEY (`dni`),
  INDEX `coche_idx` (`num_bastidor` ASC) VISIBLE,
  CONSTRAINT `coche`
    FOREIGN KEY (`num_bastidor`)
    REFERENCES `mydb`.`coche` (`num_bastidor`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;



SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

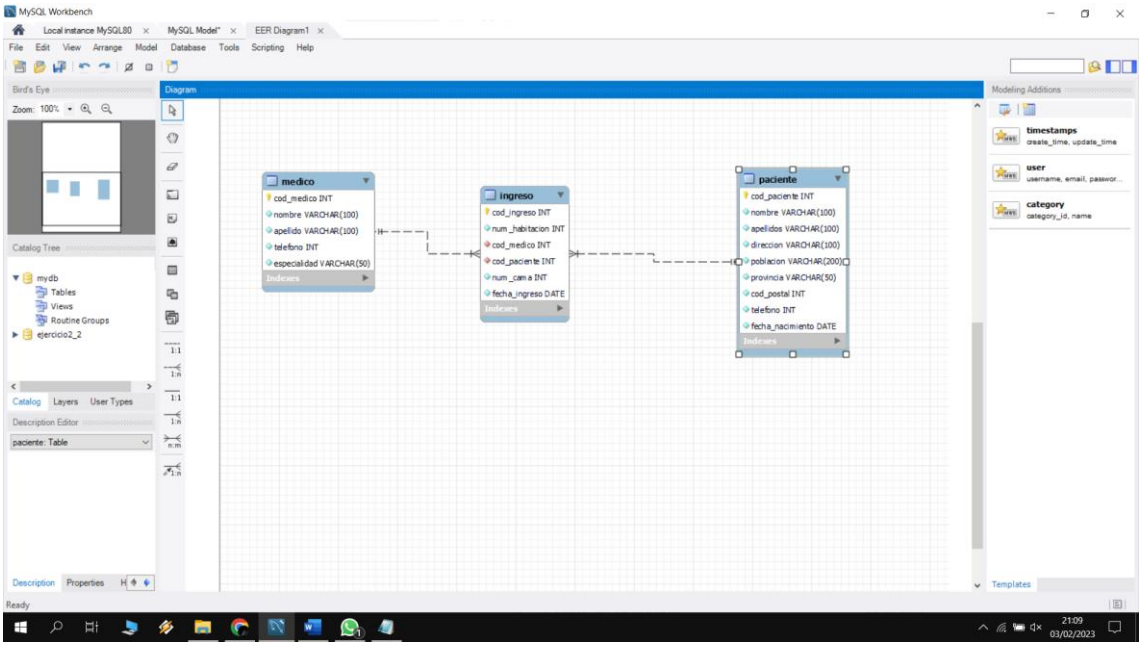
Ejercicio 2.2

Ejercicio4









-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

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';

-- ---

-- Schema mydb

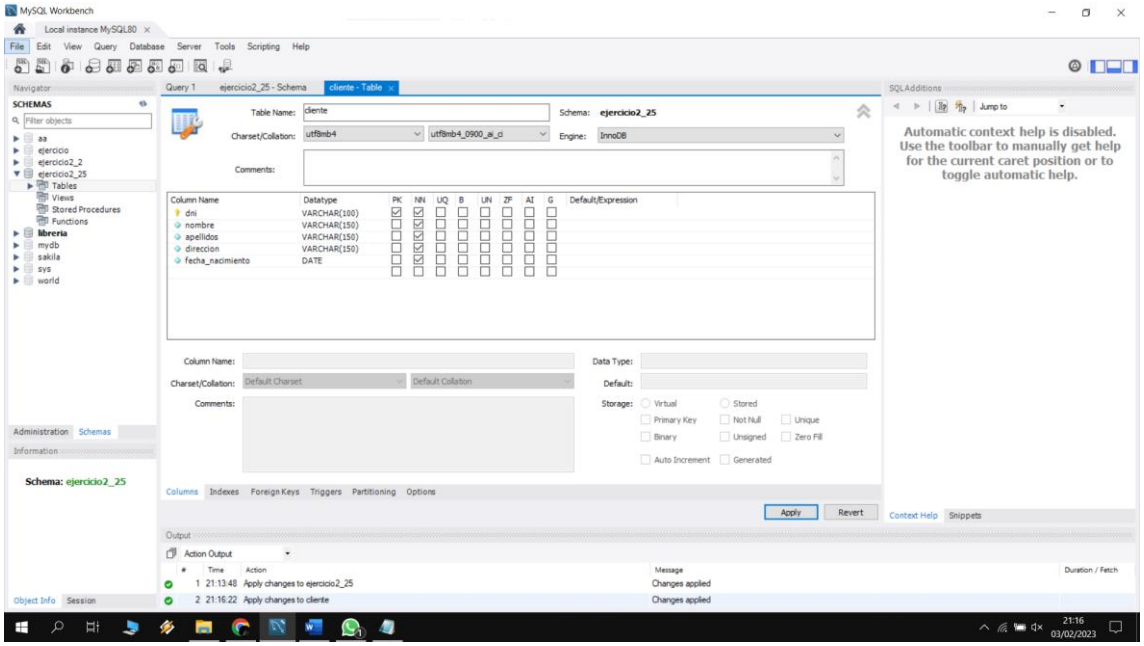
-- ---

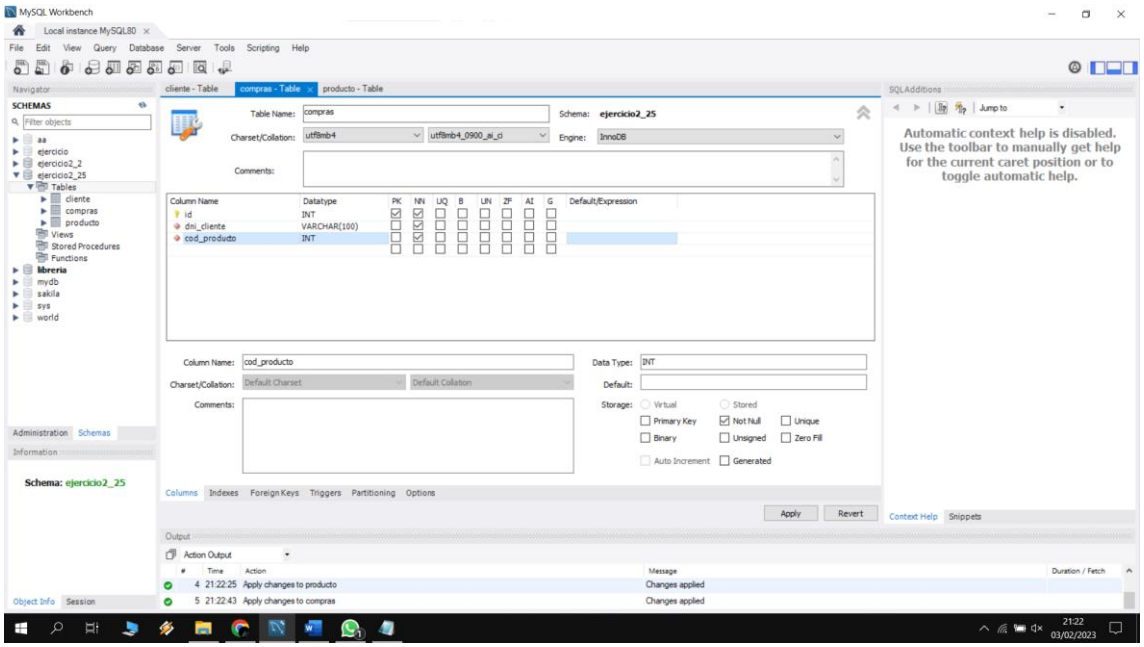
```
-- -----------------------------------------------------
-- Schema ejercicio2_2
-- -----------------------------------------------------

-- -----------------------------------------------------
-- Schema ejercicio2_2
-- -----------------------------------------------------
CREATE SCHEMA IF NOT EXISTS `ejercicio2_2` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;
USE `ejercicio2_2` ;

-- -----------------------------------------------------
-- Table `ejercicio2_2`.`medico`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_2`.`medico` (
  `cod_medico` INT NOT NULL,
  `nombre` VARCHAR(100) NOT NULL,
  `apellido` VARCHAR(100) NOT NULL,
  `telefono` INT NOT NULL,
  `especialidad` VARCHAR(50) NOT NULL,
  PRIMARY KEY (`cod_medico`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `ejercicio2_2`.`paciente`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_2`.`paciente` (
  `cod_paciente` INT NOT NULL,
  `nombre` VARCHAR(100) NOT NULL,
  `apellidos` VARCHAR(100) NOT NULL,
  `direccion` VARCHAR(100) NOT NULL,
  `poblacion` VARCHAR(200) NOT NULL,
  `provincia` VARCHAR(50) NOT NULL,
```

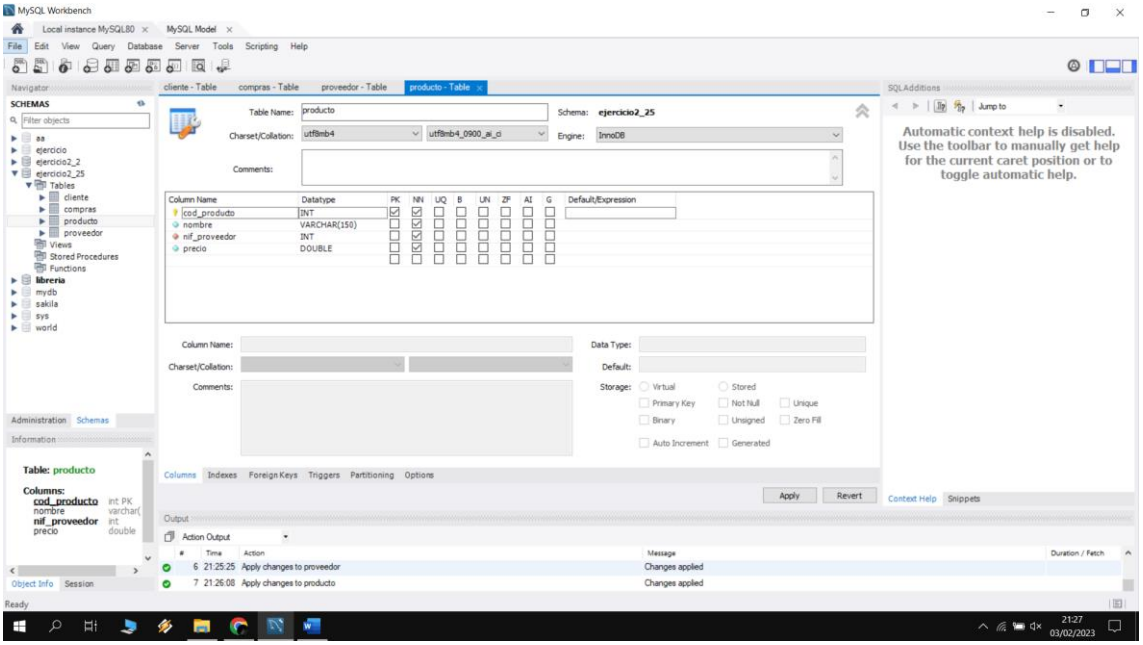
```
  `cod_postal` INT NOT NULL,
  `telefono` INT NOT NULL,
  `fecha_nacimiento` DATE NOT NULL,
  PRIMARY KEY (`cod_paciente`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


-- -----------------------------------------------------
-- Table `ejercicio2_2`.`ingreso`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_2`.`ingreso` (
  `cod_ingreso` INT NOT NULL,
  `num_habitacion` INT NOT NULL,
  `cod_medico` INT NOT NULL,
  `cod_paciente` INT NOT NULL,
  `num_cama` INT NOT NULL,
  `fecha_ingreso` DATE NOT NULL,
  PRIMARY KEY (`cod_ingreso`),
  INDEX `paciente_idx` (`cod_paciente` ASC) VISIBLE,
  INDEX `medico_idx` (`cod_medico` ASC) VISIBLE,
  CONSTRAINT `medico`
    FOREIGN KEY (`cod_medico`)
    REFERENCES `ejercicio2_2`.`medico` (`cod_medico`),
  CONSTRAINT `paciente`
    FOREIGN KEY (`cod_paciente`)
    REFERENCES `ejercicio2_2`.`paciente` (`cod_paciente`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;


SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
```

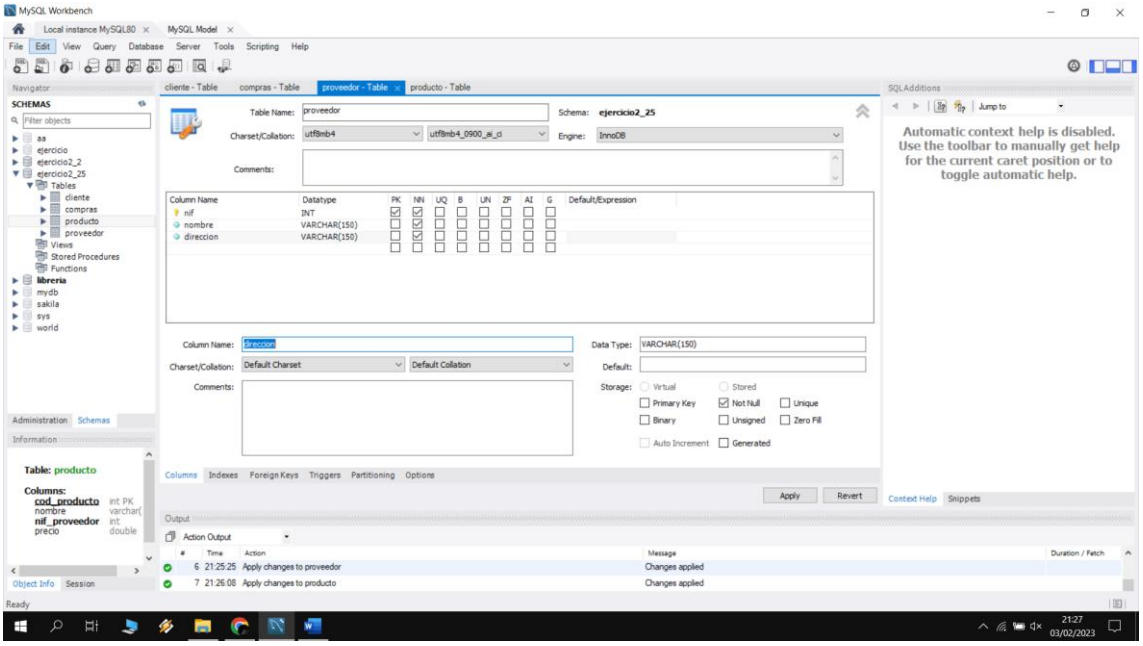
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

Ejercicio5






MySQL Workbench
Local instance MySQL80
MySQL Model
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aa
ejercicio
ejercicio2_2
ejercicio2_25
Tables
cliente
compras
producto
proveedor
Views
Stored Procedures
Functions
libreria
mydb
sakila
sys
world
Administration Schemas
Information
Table: producto
Columns:
cod_producto int PK
nombre varchar(
nif_proveedor int
precio double
Object Info Session
cliente - Table
compras - Table
proveedor - Table
producto - Table
Table Name: producto
Schema: ejercicio2_25
Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci
Engine: InnoDB
Comments:
Column Name Datatype PK NN UQ B UN ZF AI G Default/Expression
cod_producto INT
nombre VARCHAR(150)
nif_proveedor INT
precio DOUBLE
Column Name:
Charset/Collation:
Comments:
Data Type:
Default:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
6 21:25:25 Apply changes to proveedor Changes applied
7 21:26:08 Apply changes to producto Changes applied
Ready
21:27
03/02/2023


MySQL Workbench
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ejercicio2_25
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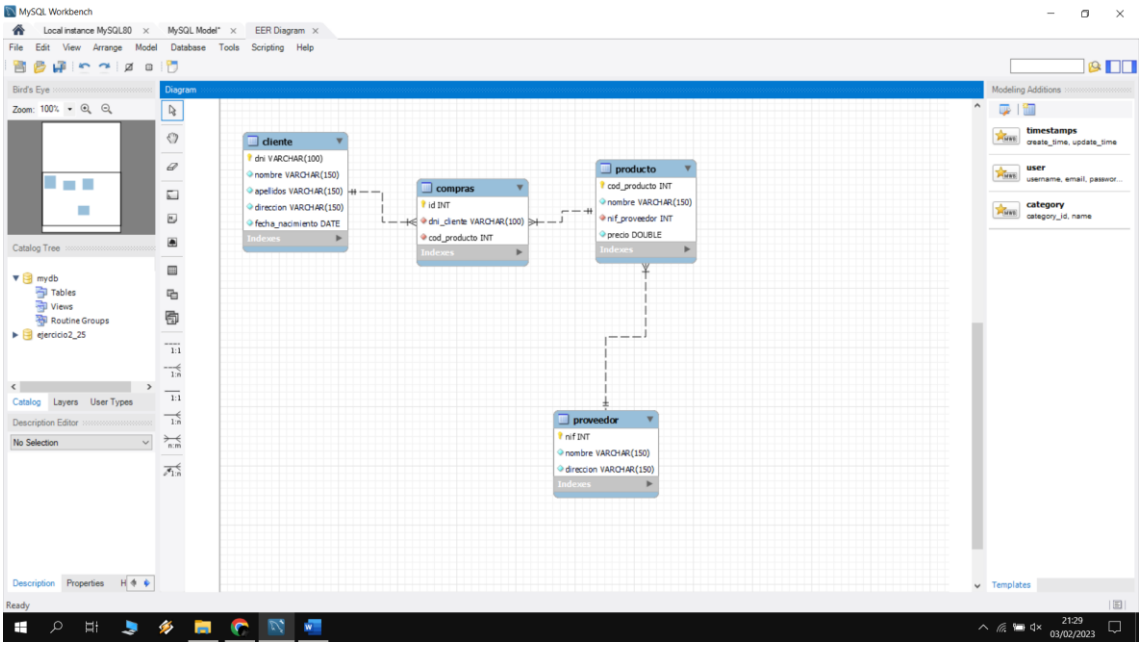
compras
producto
proveedor
Views
Stored Procedures
Functions
libreria
mydb
sakila
sys
world
Administration Schemas
Information
Table: producto
Columns:
cod_producto int PK
nombre varchar(
nif_proveedor int
precio double
Object Info Session
cliente - Table
compras - Table
proveedor - Table
producto - Table
Table Name: proveedor
Schema: ejercicio2_25
Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci
Engine: InnoDB
Comments:
Column Name Datatype PK NN UQ B UN ZF AI G Default/Expression
nif INT
nombre VARCHAR(150)
direccion VARCHAR(150)
Column Name: Direccion
Charset/Collation: Default Charset Default Collation
Comments:
Data Type: VARCHAR(150)
Default:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
6 21:25:25 Apply changes to proveedor Changes applied
7 21:26:08 Apply changes to producto Changes applied
Ready
21:27
03/02/2023



-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

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';

-- ---

-- Schema mydb

-- ---

-- ---

-- Schema ejercicio2_25

-- ---

-- ---

-- Schema ejercicio2_25

-- ---

CREATE SCHEMA IF NOT EXISTS `ejercicio2_25` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;

USE `ejercicio2_25` ;

-- ---

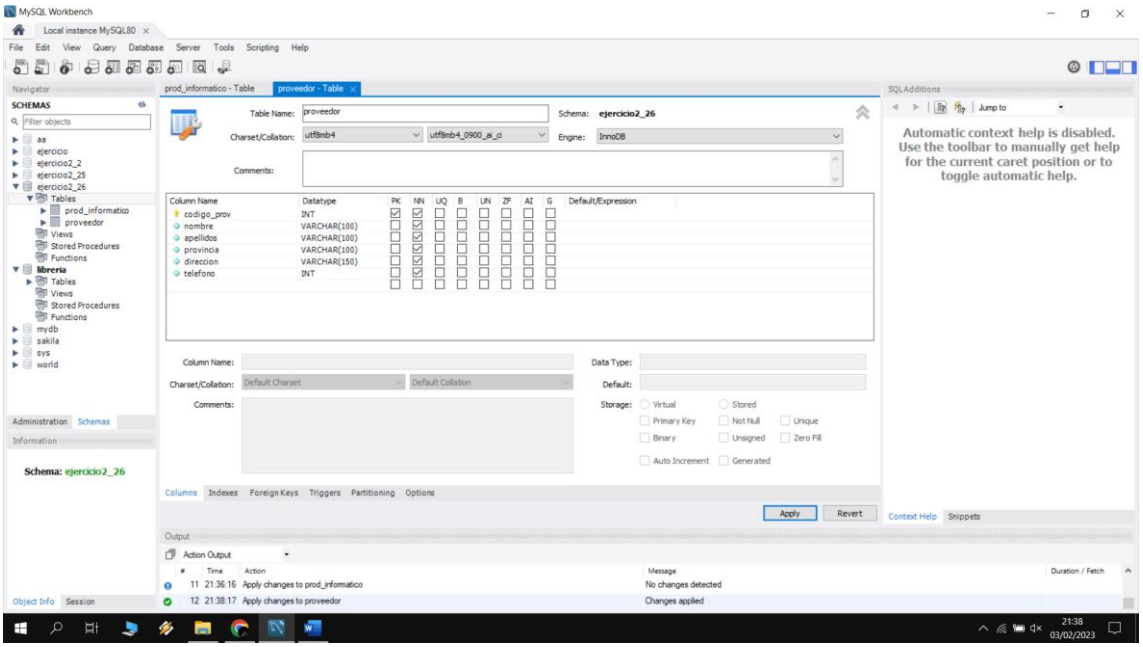
-- Table `ejercicio2_25`.`cliente`

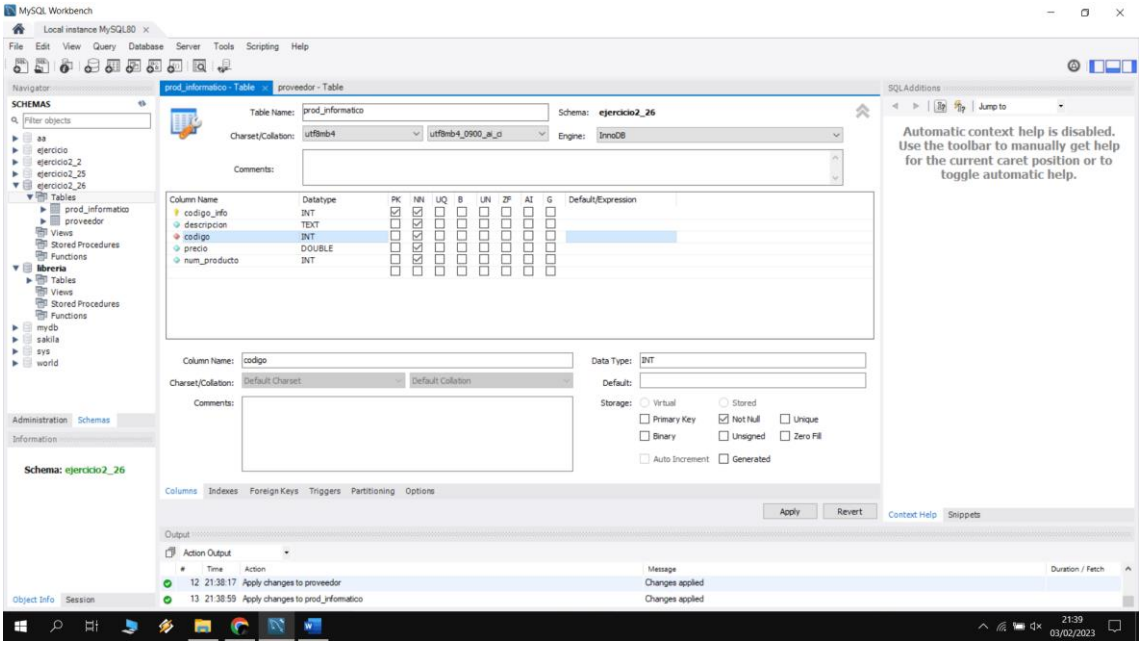
-- ---

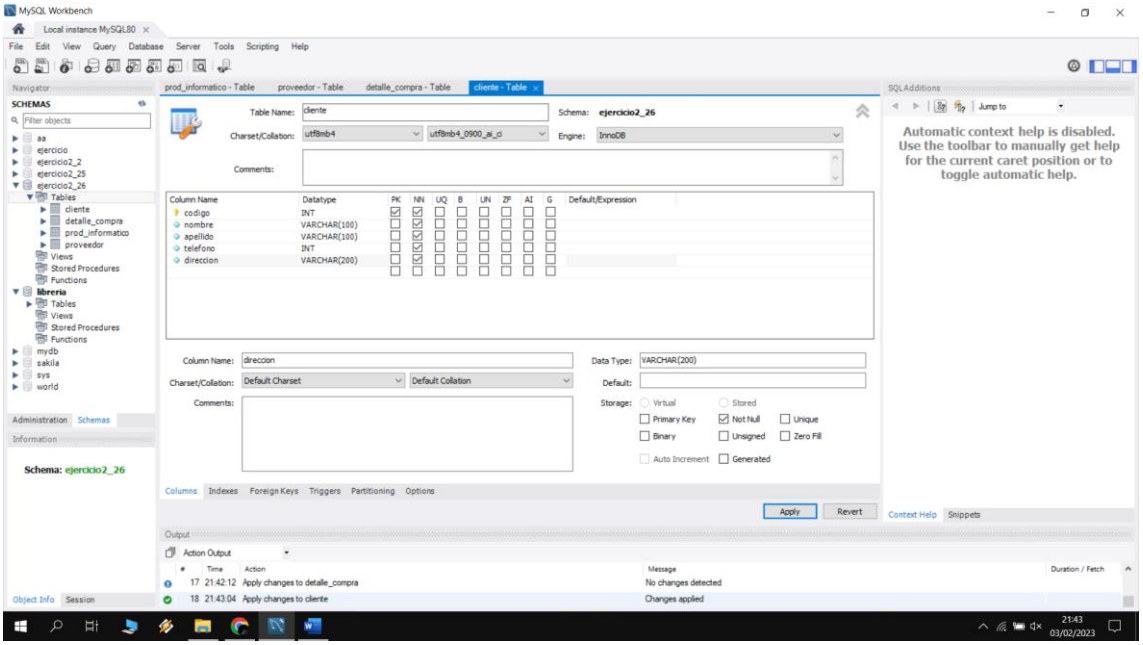
```
CREATE TABLE IF NOT EXISTS `ejercicio2_25`.`cliente` (
  `dni` VARCHAR(100) NOT NULL,
  `nombre` VARCHAR(150) NOT NULL,
  `apellidos` VARCHAR(150) NOT NULL,
  `direccion` VARCHAR(150) NOT NULL,
  `fecha_nacimiento` DATE NOT NULL,
  PRIMARY KEY (`dni`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `ejercicio2_25`.`proveedor`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_25`.`proveedor` (
  `nif` INT NOT NULL,
  `nombre` VARCHAR(150) NOT NULL,
  `direccion` VARCHAR(150) NOT NULL,
  PRIMARY KEY (`nif`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `ejercicio2_25`.`producto`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_25`.`producto` (
  `cod_producto` INT NOT NULL,
  `nombre` VARCHAR(150) NOT NULL,
  `nif_proveedor` INT NOT NULL,
  `precio` DOUBLE NOT NULL,
  PRIMARY KEY (`cod_producto`),
  INDEX `proveedor_idx` (`nif_proveedor` ASC) VISIBLE,
```

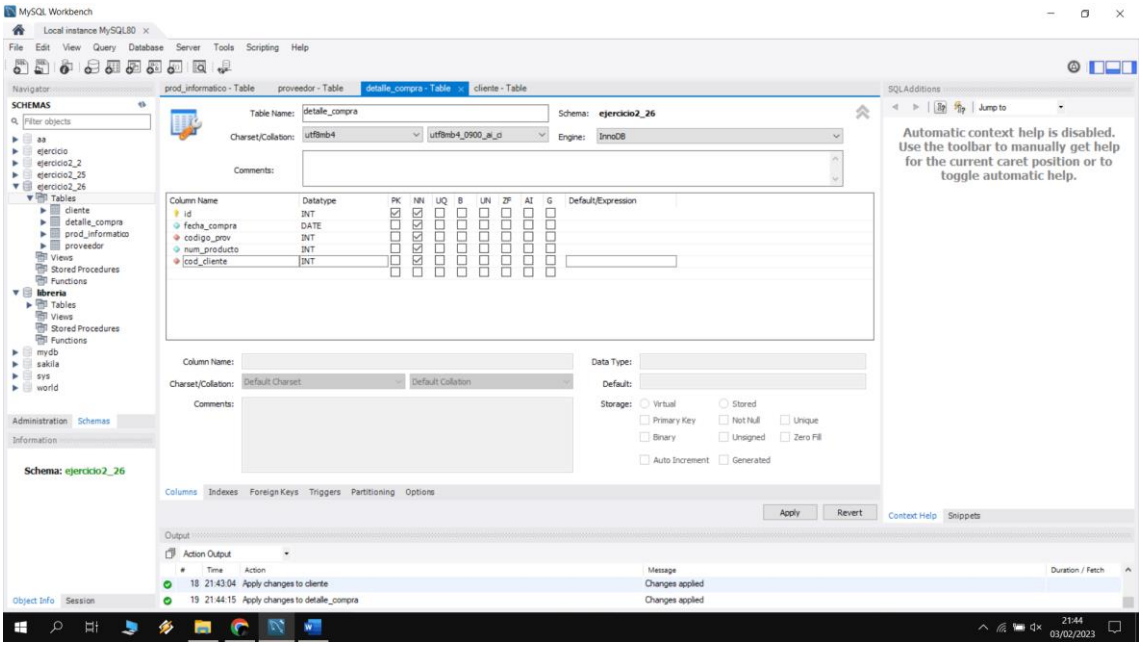
```
  CONSTRAINT `proveedor`
    FOREIGN KEY (`nif_proveedor`)
    REFERENCES `ejercicio2_25`.`proveedor` (`nif`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `ejercicio2_25`.`compras`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_25`.`compras` (
  `id` INT NOT NULL,
  `dni_cliente` VARCHAR(100) NOT NULL,
  `cod_producto` INT NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `cliente_idx` (`dni_cliente` ASC) VISIBLE,
  INDEX `producto_idx` (`cod_producto` ASC) VISIBLE,
  CONSTRAINT `cliente`
    FOREIGN KEY (`dni_cliente`)
    REFERENCES `ejercicio2_25`.`cliente` (`dni`),
  CONSTRAINT `producto`
    FOREIGN KEY (`cod_producto`)
    REFERENCES `ejercicio2_25`.`producto` (`cod_producto`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

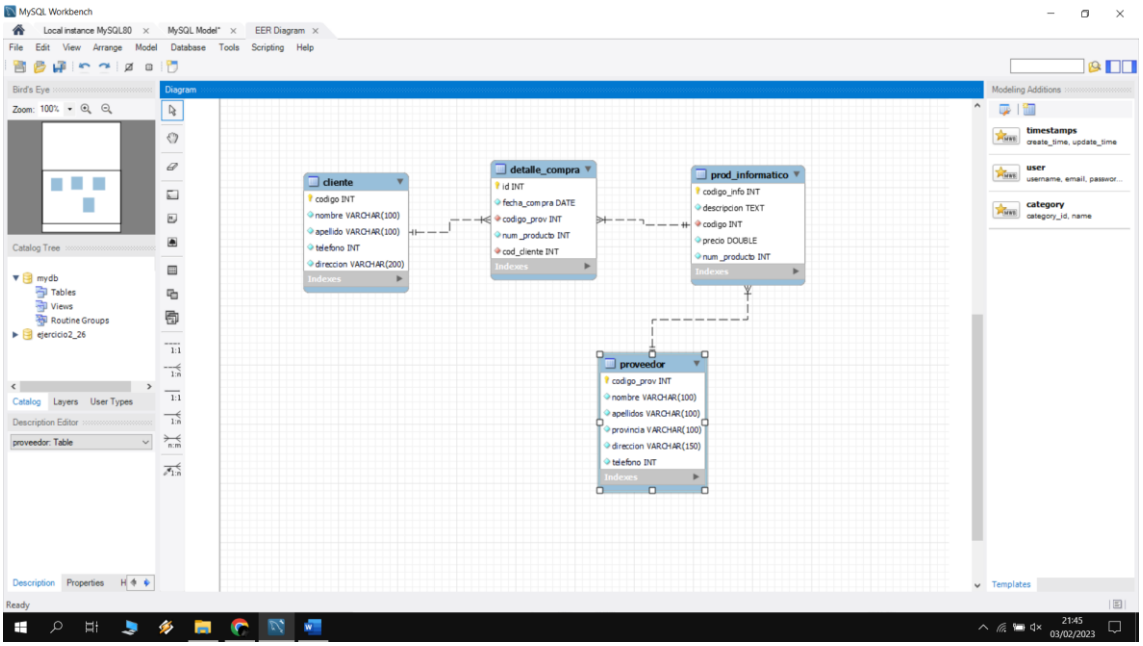
Ejercicio6


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aa
ejercicio
ejercicio2_2
ejercicio2_25
ejercicio2_26
Tables
prod_informatico
proveedor
Views
Stored Procedures
Functions
libreria
Tables
Views
Stored Procedures
Functions
mydb
sakila
sys
world
Administration Schemas
Information
Schema: ejercicio2_26
Object Info Session
prod_informatico - Table
proveedor - Table
Table Name: proveedor
Schema: ejercicio2_26
Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci
Engine: InnoDB
Comments:
Column Name Datatype PK NN UQ B UN ZF AI G Default/Expression
codigo_prov INT
nombre VARCHAR(100)
apellidos VARCHAR(100)
provincia VARCHAR(100)
direccion VARCHAR(150)
telefono INT
Column Name:
Data Type:
Charset/Collation: Default Charset Default Collation
Default:
Comments:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
11 21:36:16 Apply changes to prod_informatico No changes detected
12 21:38:17 Apply changes to proveedor Changes applied
21:38 03/02/2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aa
ejercicio
ejercicio2_2
ejercicio2_25
ejercicio2_26
Tables
prod_informatico
proveedor
Views
Stored Procedures
Functions
libreria
Tables
Views
Stored Procedures
Functions
mydb
sakila
sys
world
Administration Schemas
Information
Schema: ejercicio2_26
Object Info Session
prod_informatico - Table
proveedor - Table
Table Name: prod_informatico
Schema: ejercicio2_26
Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci
Engine: InnoDB
Comments:
Column Name Datatype PK NN UQ B UN ZF AI G Default/Expression
codigo_info INT
descripcion TEXT
codigo INT
precio DOUBLE
num_producto INT
Column Name: codigo
Data Type: INT
Charset/Collation: Default Charset Default Collation
Default:
Comments:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
12 21:38:17 Apply changes to proveedor Changes applied
13 21:38:59 Apply changes to prod_informatico Changes applied
21:39 03/02/2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aa
ejercicio
ejercicio2_2
ejercicio2_25
ejercicio2_26
Tables
cliente
detalle_compra
prod_informatico
proveedor
Views
Stored Procedures
Functions
libreria
Tables
Views
Stored Procedures
Functions
mydb
sakila
sys
world
Administration Schemas
Information
Schema: ejercicio2_26
Object Info Session
prod_informatico - Table
proveedor - Table
detalle_compra - Table
cliente - Table
Table Name: cliente
Schema: ejercicio2_26
Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci
Engine: InnoDB
Comments:
Column Name Datatype PK NN UQ B UN ZF AI G Default/Expression
codigo INT
nombre VARCHAR(100)
apellido VARCHAR(100)
telefono INT
direccion VARCHAR(200)
Column Name: direccion
Charset/Collation: Default Charset Default Collation
Comments:
Data Type: VARCHAR(200)
Default:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
17 21:42:12 Apply changes to detalle_compra No changes detected
18 21:43:04 Apply changes to cliente Changes applied
21:43
03/02/2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aa
ejercicio
ejercicio2_2
ejercicio2_25
ejercicio2_26
Tables
cliente
detalle_compra
prod_informatico
proveedor
Views
Stored Procedures
Functions
libreria
Tables
Views
Stored Procedures
Functions
mydb
sakila
sys
world
Administration Schemas
Information
Schema: ejercicio2_26
Object Info Session
prod_informatico - Table
proveedor - Table
detalle_compra - Table
cliente - Table
Table Name: detalle_compra
Schema: ejercicio2_26
Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci
Engine: InnoDB
Comments:
Column Name Datatype PK NN UQ B UN ZF AI G Default/Expression
id INT
fecha_compra DATE
codigo_prov INT
num_producto INT
cod_cliente INT
Column Name:
Charset/Collation: Default Charset Default Collation
Comments:
Data Type:
Default:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
18 21:43:04 Apply changes to cliente Changes applied
19 21:44:15 Apply changes to detalle_compra Changes applied
21:44
03/02/2023



-- MySQL Workbench Forward Engineering

SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;

SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;

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';

-- ---

-- Schema mydb

-- ---

-- ---

-- Schema ejercicio2_26

-- ---

-- ---

-- Schema ejercicio2_26

-- ---

CREATE SCHEMA IF NOT EXISTS `ejercicio2_26` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci ;

USE `ejercicio2_26` ;

-- ---

-- Table `ejercicio2_26`.`cliente`

-- ---

```
CREATE TABLE IF NOT EXISTS `ejercicio2_26`.`cliente` (
  `codigo` INT NOT NULL,
  `nombre` VARCHAR(100) NOT NULL,
  `apellido` VARCHAR(100) NOT NULL,
  `telefono` INT NOT NULL,
  `direccion` VARCHAR(200) NOT NULL,
  PRIMARY KEY (`codigo`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `ejercicio2_26`.`proveedor`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_26`.`proveedor` (
  `codigo_prov` INT NOT NULL,
  `nombre` VARCHAR(100) NOT NULL,
  `apellidos` VARCHAR(100) NOT NULL,
  `provincia` VARCHAR(100) NOT NULL,
  `direccion` VARCHAR(150) NOT NULL,
  `telefono` INT NOT NULL,
  PRIMARY KEY (`codigo_prov`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `ejercicio2_26`.`prod_informatico`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_26`.`prod_informatico` (
  `codigo_info` INT NOT NULL,
  `descripcion` TEXT NOT NULL,
  `codigo` INT NOT NULL,
```

```
  `precio` DOUBLE NOT NULL,
  `num_producto` INT NOT NULL,
  PRIMARY KEY (`codigo_info`),
  INDEX `proveedor_idx` (`codigo` ASC) VISIBLE,
  CONSTRAINT `proveedor`
    FOREIGN KEY (`codigo`)
    REFERENCES `ejercicio2_26`.`proveedor` (`codigo_prov`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;



-- -----------------------------------------------------
-- Table `ejercicio2_26`.`detalle_compra`
-- -----------------------------------------------------
CREATE TABLE IF NOT EXISTS `ejercicio2_26`.`detalle_compra` (
  `id` INT NOT NULL,
  `fecha_compra` DATE NOT NULL,
  `codigo_prov` INT NOT NULL,
  `num_producto` INT NOT NULL,
  `cod_cliente` INT NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `producto_idx` (`codigo_prov` ASC) VISIBLE,
  INDEX `cliente_idx` (`cod_cliente` ASC) VISIBLE,
  CONSTRAINT `cliente`
    FOREIGN KEY (`cod_cliente`)
    REFERENCES `ejercicio2_26`.`cliente` (`codigo`),
  CONSTRAINT `producto`
    FOREIGN KEY (`codigo_prov`)
    REFERENCES `ejercicio2_26`.`prod_informatico` (`codigo_info`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

```
SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

EJERCICIO 2.3.