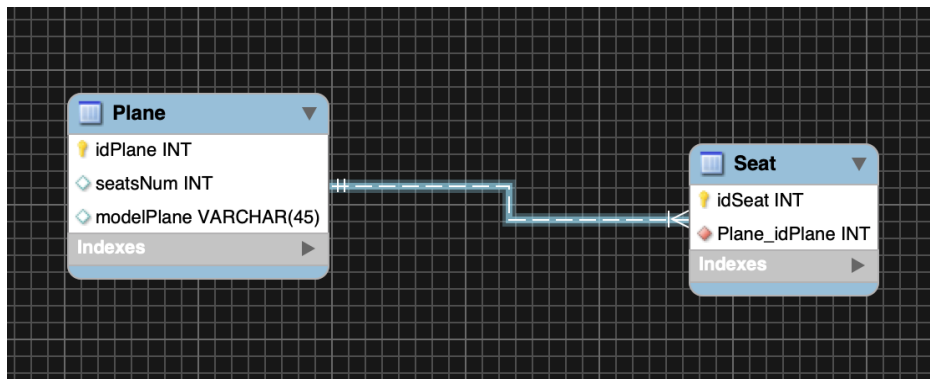
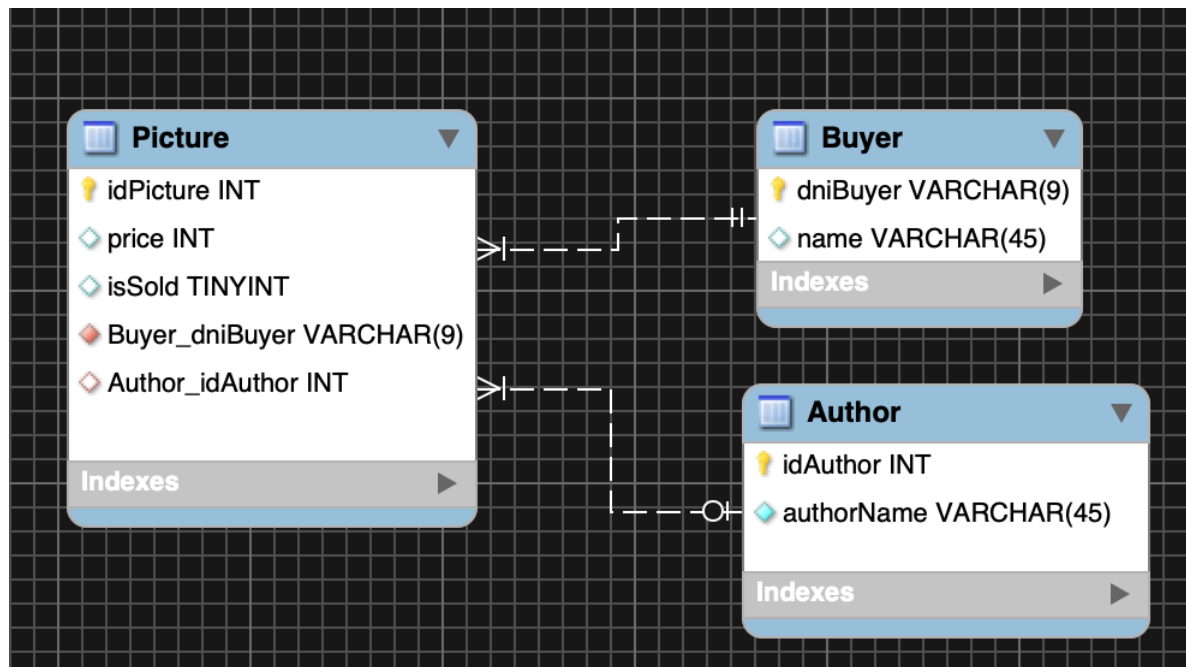


Exercicis modelatge BBDD

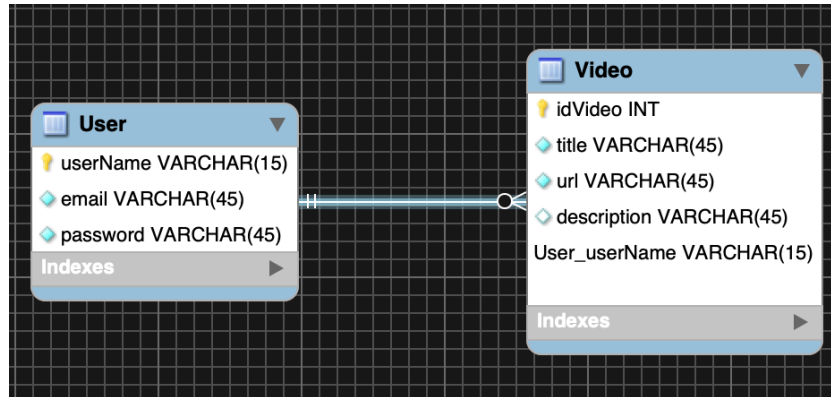
EXERCICI 1



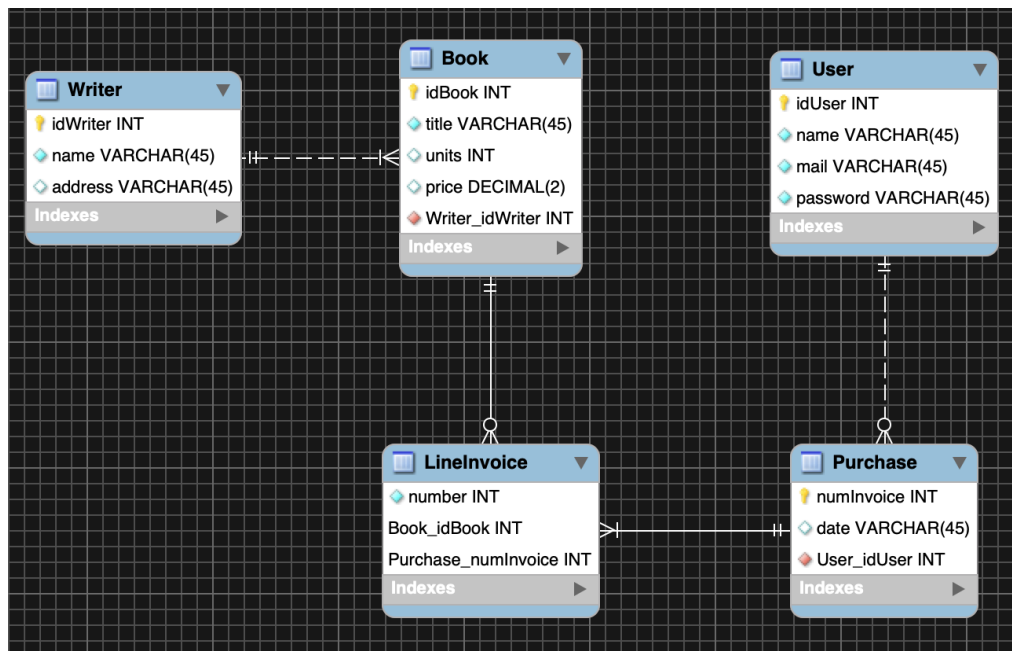
EXERCICI 2



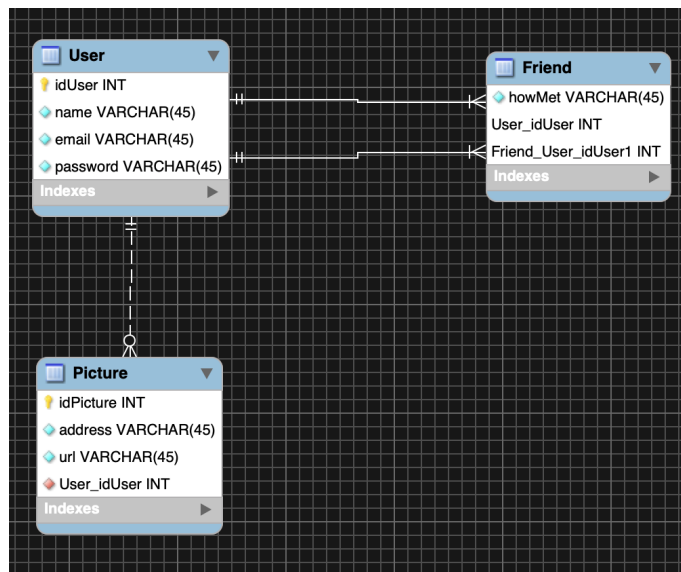
EXERCICI 3



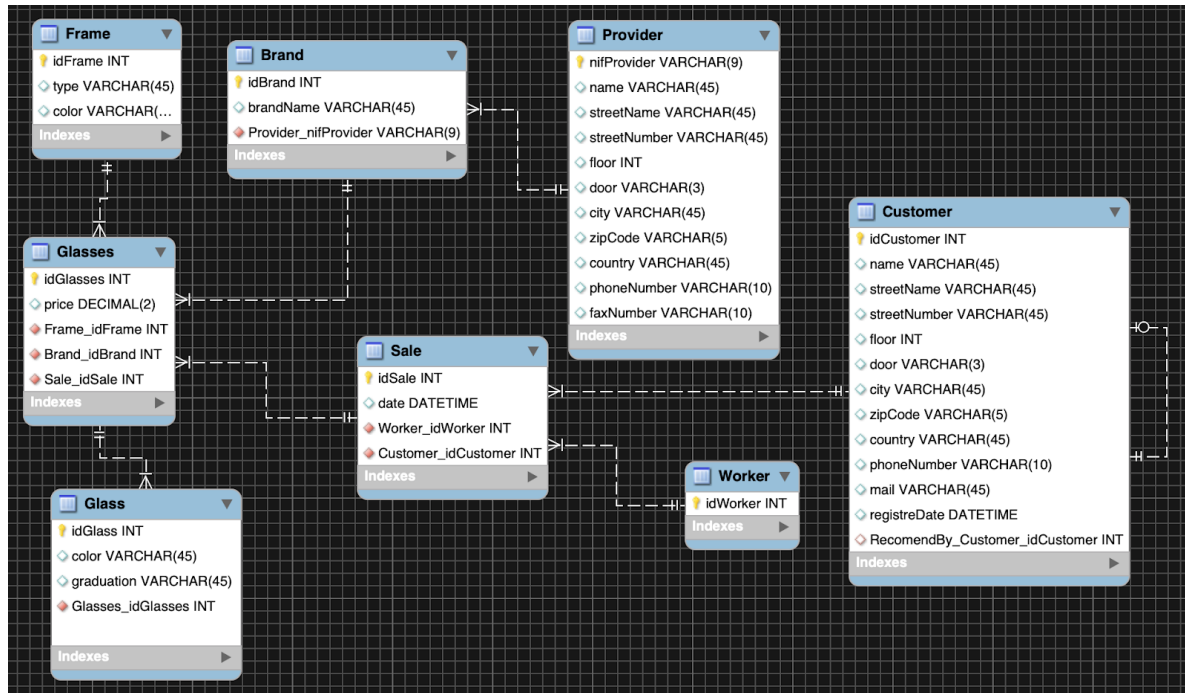
EXERCICI 4



EXERCICI 5



EXERCICI 6



```
-- MySQL Script generated by MySQL Workbench
-- Wed May 8 10:02:05 2019
-- Model: New Model   Version: 1.0
-- 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_DA
TE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTI
ON';
```

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

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

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

```
-----  
-- Table `mydb`.`Frame`  
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Frame` (  
  `idFrame` INT NOT NULL,  
  `type` VARCHAR(45) NULL,  
  `color` VARCHAR(10) NULL,  
  PRIMARY KEY (`idFrame`))  
ENGINE = InnoDB;
```

```
-----  
-- Table `mydb`.`Provider`  
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Provider` (  
  `nifProvider` VARCHAR(9) NOT NULL,  
  `name` VARCHAR(45) NULL,  
  `streetName` VARCHAR(45) NULL,  
  `streetNumber` VARCHAR(45) NULL,  
  `floor` INT NULL,  
  `door` VARCHAR(3) NULL,  
  `city` VARCHAR(45) NULL,  
  `zipCode` VARCHAR(5) NULL,  
  `country` VARCHAR(45) NULL,  
  `phoneNumber` VARCHAR(10) NULL,  
  `faxNumber` VARCHAR(10) NULL,  
  PRIMARY KEY (`nifProvider`))  
ENGINE = InnoDB;
```

```
-----  
-- Table `mydb`.`Brand`  
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Brand` (  
  `idBrand` INT NOT NULL,
```

```
`brandName` VARCHAR(45) NULL,  
`Provider_nifProvider` VARCHAR(9) NOT NULL,  
PRIMARY KEY (`idBrand`),  
INDEX `fk_Brand_Provider1_idx` (`Provider_nifProvider` ASC) VISIBLE,  
CONSTRAINT `fk_Brand_Provider1`  
  FOREIGN KEY (`Provider_nifProvider`)  
    REFERENCES `mydb`.`Provider` (`nifProvider`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Worker`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Worker` (  
  `idWorker` INT NOT NULL,  
  `name` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`idWorker`))  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Customer`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Customer` (  
  `idCustomer` INT NOT NULL,  
  `name` VARCHAR(45) NULL,  
  `streetName` VARCHAR(45) NULL,  
  `streetNumber` VARCHAR(45) NULL,  
  `floor` INT NULL,  
  `door` VARCHAR(3) NULL,  
  `city` VARCHAR(45) NULL,  
  `zipCode` VARCHAR(5) NULL,  
  `country` VARCHAR(45) NULL,  
  `phoneNumber` VARCHAR(10) NULL,  
  `mail` VARCHAR(45) NULL,  
  `registreDate` DATETIME NULL,  
  `RecomendBy_Customer_idCustomer` INT NULL,
```

```
PRIMARY KEY (`idCustomer`),  
INDEX `fk_Customer_Customer1_idx` (`RecomendBy_Customer_idCustomer` ASC)  
VISIBLE,  
CONSTRAINT `fk_Customer_Customer1`  
FOREIGN KEY (`RecomendBy_Customer_idCustomer`)  
REFERENCES `mydb`.`Customer` (`idCustomer`)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Sale`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Sale` (  
  `idSale` INT NOT NULL,  
  `date` DATETIME NULL,  
  `Worker_idWorker` INT NOT NULL,  
  `Customer_idCustomer` INT NOT NULL,  
  PRIMARY KEY (`idSale`),  
  INDEX `fk_Sale_Worker1_idx` (`Worker_idWorker` ASC) VISIBLE,  
  INDEX `fk_Sale_Customer1_idx` (`Customer_idCustomer` ASC) VISIBLE,  
  CONSTRAINT `fk_Sale_Worker1`  
  FOREIGN KEY (`Worker_idWorker`)  
  REFERENCES `mydb`.`Worker` (`idWorker`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION,  
  CONSTRAINT `fk_Sale_Customer1`  
  FOREIGN KEY (`Customer_idCustomer`)  
  REFERENCES `mydb`.`Customer` (`idCustomer`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Glasses`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Glasses` (  
  -----
```

```
`idGlasses` INT NOT NULL,  
`price` DECIMAL(2) NULL,  
`Frame_idFrame` INT NOT NULL,  
`Brand_idBrand` INT NOT NULL,  
`Sale_idSale` INT NOT NULL,  
PRIMARY KEY (`idGlasses`),  
INDEX `fk_Glasses_Frame_idx` (`Frame_idFrame` ASC) VISIBLE,  
INDEX `fk_Glasses_Brand1_idx` (`Brand_idBrand` ASC) VISIBLE,  
INDEX `fk_Glasses_Sale1_idx` (`Sale_idSale` ASC) VISIBLE,  
CONSTRAINT `fk_Glasses_Frame`  
  FOREIGN KEY (`Frame_idFrame`)  
    REFERENCES `mydb`.`Frame` (`idFrame`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION,  
CONSTRAINT `fk_Glasses_Brand1`  
  FOREIGN KEY (`Brand_idBrand`)  
    REFERENCES `mydb`.`Brand` (`idBrand`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION,  
CONSTRAINT `fk_Glasses_Sale1`  
  FOREIGN KEY (`Sale_idSale`)  
    REFERENCES `mydb`.`Sale` (`idSale`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Glass`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Glass` (  
  `idGlass` INT NOT NULL,  
  `color` VARCHAR(45) NULL,  
  `graduation` VARCHAR(45) NULL,  
  `Glasses_idGlasses` INT NOT NULL,  
  PRIMARY KEY (`idGlass`),  
  INDEX `fk_Glass_Glasses1_idx` (`Glasses_idGlasses` ASC) VISIBLE,  
  CONSTRAINT `fk_Glass_Glasses1`  
    FOREIGN KEY (`Glasses_idGlasses`)
```



```
REFERENCES `mydb`.`Glasses` (`idGlasses`)  
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;
```

```
-- -----  
-- Data for table `mydb`.`Frame`  
-- -----
```

```
START TRANSACTION;  
USE `mydb`;  
INSERT INTO `mydb`.`Frame` (`idFrame`, `type`, `color`) VALUES (1, 'FLOTANT',  
'vermell');  
INSERT INTO `mydb`.`Frame` (`idFrame`, `type`, `color`) VALUES (2, 'PASTA', 'blau');  
INSERT INTO `mydb`.`Frame` (`idFrame`, `type`, `color`) VALUES (3, 'METAL·LICA',  
'negre');
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Provider`  
-- -----
```

```
START TRANSACTION;  
USE `mydb`;  
INSERT INTO `mydb`.`Provider` (`nifProvider`, `name`, `streetName`, `streetNumber`,  
`floor`, `door`, `city`, `zipCode`, `country`, `phoneNumber`, `faxNumber`) VALUES  
( '1234', 'ullSol', 'glories', '34', 44, '2', 'Barcelona', '08013', 'Spain', '9333333333',  
'9344444444');  
INSERT INTO `mydb`.`Provider` (`nifProvider`, `name`, `streetName`, `streetNumber`,  
`floor`, `door`, `city`, `zipCode`, `country`, `phoneNumber`, `faxNumber`) VALUES  
( '4444b', 'NOveig', 'ciber', '77b', 1, '1', 'Sabadell', '09892', NULL, '9123445646',  
'9743782722');
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Brand`  
-- -----
```

```
START TRANSACTION;  
USE `mydb`;  
INSERT INTO `mydb`.`Brand` (`idBrand`, `brandName`, `Provider_nifProvider`)  
VALUES (1, 'FFF', '1234');  
INSERT INTO `mydb`.`Brand` (`idBrand`, `brandName`, `Provider_nifProvider`)  
VALUES (2, 'BBBB', '4444b');  
INSERT INTO `mydb`.`Brand` (`idBrand`, `brandName`, `Provider_nifProvider`)  
VALUES (3, 'CCCC', '4444b');
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Worker`  
-- -----
```

```
START TRANSACTION;  
USE `mydb`;  
INSERT INTO `mydb`.`Worker` (`idWorker`, `name`) VALUES (1, 'OHDIUH');  
INSERT INTO `mydb`.`Worker` (`idWorker`, `name`) VALUES (2, 'DHHOIUPD');
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Customer`  
-- -----
```

```
START TRANSACTION;  
USE `mydb`;  
INSERT INTO `mydb`.`Customer` (`idCustomer`, `name`, `streetName`,  
`streetNumber`, `floor`, `door`, `city`, `zipCode`, `country`, `phoneNumber`, `mail`,  
`registreDate`, `RecomendBy_Customer_idCustomer`) VALUES (1, 'Pepito Client',  
'Fontanella', '3', 5, '5', 'Paris', 'i37y37', 'França', '94767488477', 'hdhjajjs@hfjfj.es',  
'24/04/2019', 3);
```

Olga Pérez Cauhé

30 abril 2019

```
INSERT INTO `mydb`.`Customer` (`idCustomer`, `name`, `streetName`,  
`streetNumber`, `floor`, `door`, `city`, `zipCode`, `country`, `phoneNumber`, `mail`,  
`registreDate`, `RecomendBy_Customer_idCustomer`) VALUES (2, 'Leli f', 'Pujades',  
'56', 7, 'a', 'Nice', 'u73637', 'França', '93737847478', NULL, '30/04/2019', 777);
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Sale`  
-- -----
```

```
START TRANSACTION;
```

```
USE `mydb`;
```

```
INSERT INTO `mydb`.`Sale` (`idSale`, `date`, `Worker_idWorker`,  
`Customer_idCustomer`) VALUES (1, '25/04/2019', 1, 1);
```

```
INSERT INTO `mydb`.`Sale` (`idSale`, `date`, `Worker_idWorker`,  
`Customer_idCustomer`) VALUES (2, '26/04/2019', 2, 2);
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Glasses`  
-- -----
```

```
START TRANSACTION;
```

```
USE `mydb`;
```

```
INSERT INTO `mydb`.`Glasses` (`idGlasses`, `price`, `Frame_idFrame`,  
`Brand_idBrand`, `Sale_idSale`) VALUES (1, 120.25, 1, DEFAULT, DEFAULT);
```

```
COMMIT;
```

```
-- -----  
-- Data for table `mydb`.`Glass`  
-- -----
```

```
START TRANSACTION;
```

```
USE `mydb`;
```

```
INSERT INTO `mydb`.`Glass` (`idGlass`, `color`, `graduation`, `Glasses_idGlasses`)  
VALUES (1, 'FOSC', '1', 1);
```

```
INSERT INTO `mydb`.`Glass` (`idGlass`, `color`, `graduation`, `Glasses_idGlasses`)  
VALUES (2, 'FOSC', '1.25', 1);  
INSERT INTO `mydb`.`Glass` (`idGlass`, `color`, `graduation`, `Glasses_idGlasses`)  
VALUES (3, 'CLAR', '2.1', 2);  
INSERT INTO `mydb`.`Glass` (`idGlass`, `color`, `graduation`, `Glasses_idGlasses`)  
VALUES (4, 'CLAR', '1.6', 2);
```

```
COMMIT;
```

```
CREATE TABLE frame (  
    idFrame INT NOT NULL,  
    type VARCHAR(45) NOT NULL DEFAULT "",  
    color VARCHAR(20) NOT NULL DEFAULT "",  
    idGlasses INT NOT NULL DEFAULT "",  
    PRIMARY KEY (idFrame),  
    FOREIGN KEY (idGlasses) REFERENCES Glasses (idGlasses),  
    ) ENGINE = InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE brand (  
    idBrand INT NOT NULL,  
    brandName VARCHAR(45) NOT NULL DEFAULT "",  
    PRIMARY KEY (idBrand),  
    FOREIGN KEY  
    ) ENGINE = InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE provider (  
    nifProvider VARCHAR(9) NOT NULL DEFAULT "",  
    name VARCHAR(45) NOT NULL DEFAULT "",  
    streetName VARCHAR(45) NOT NULL DEFAULT "",  
  
    )
```