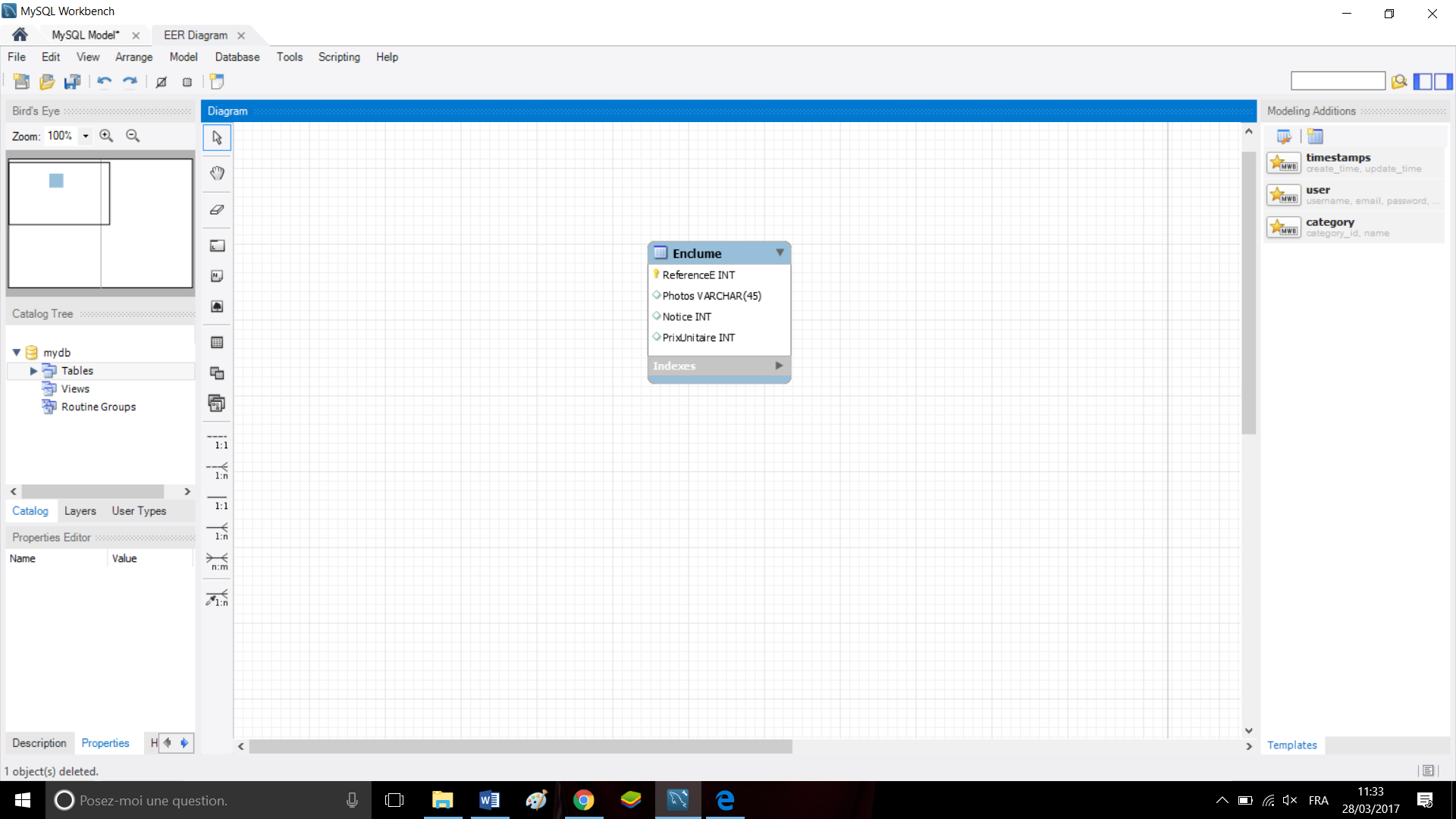
**Compte Rendu Séquence n°2 :**

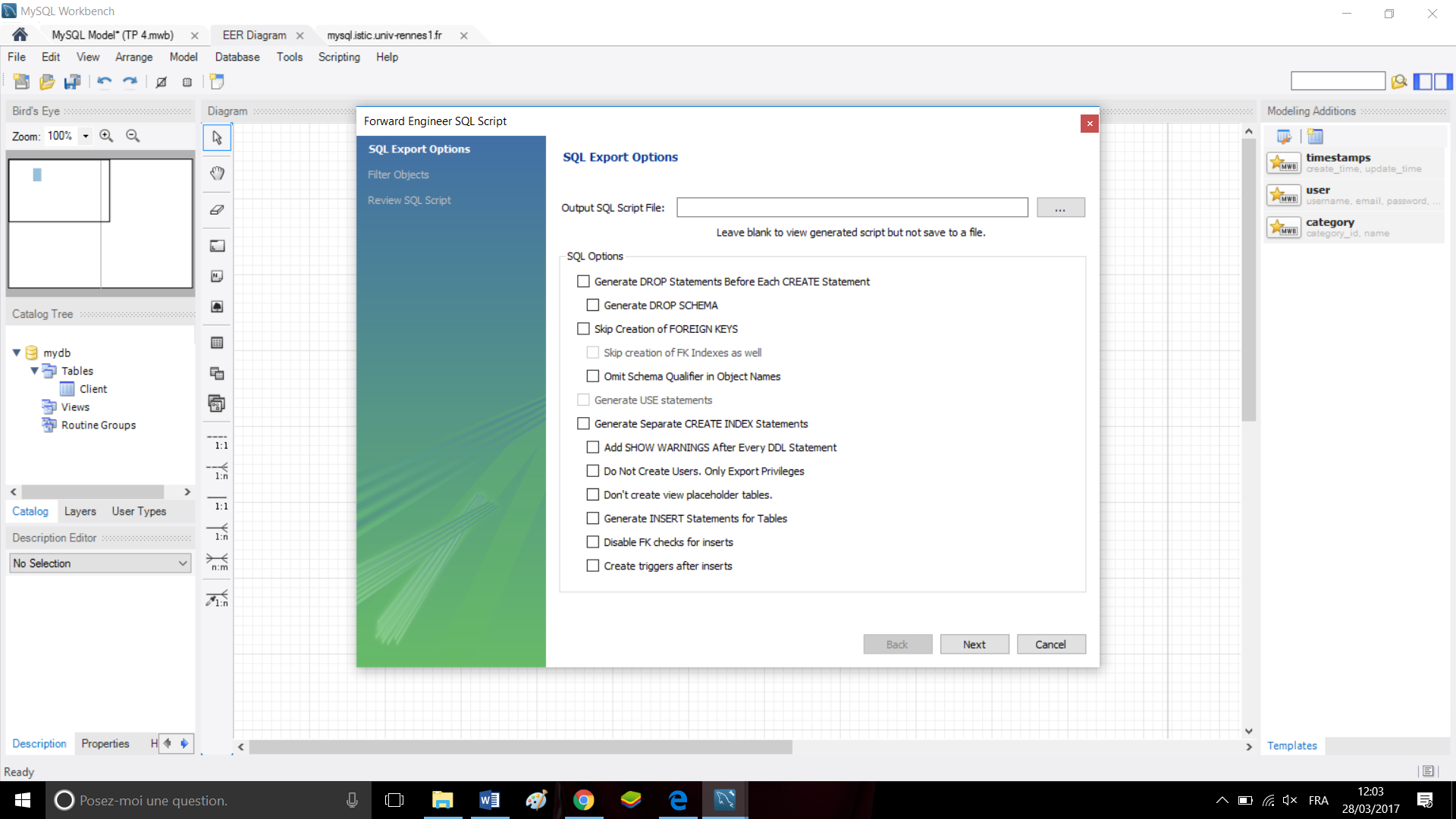
**Exercice 1 : Découverte de MySQL et JDBC**

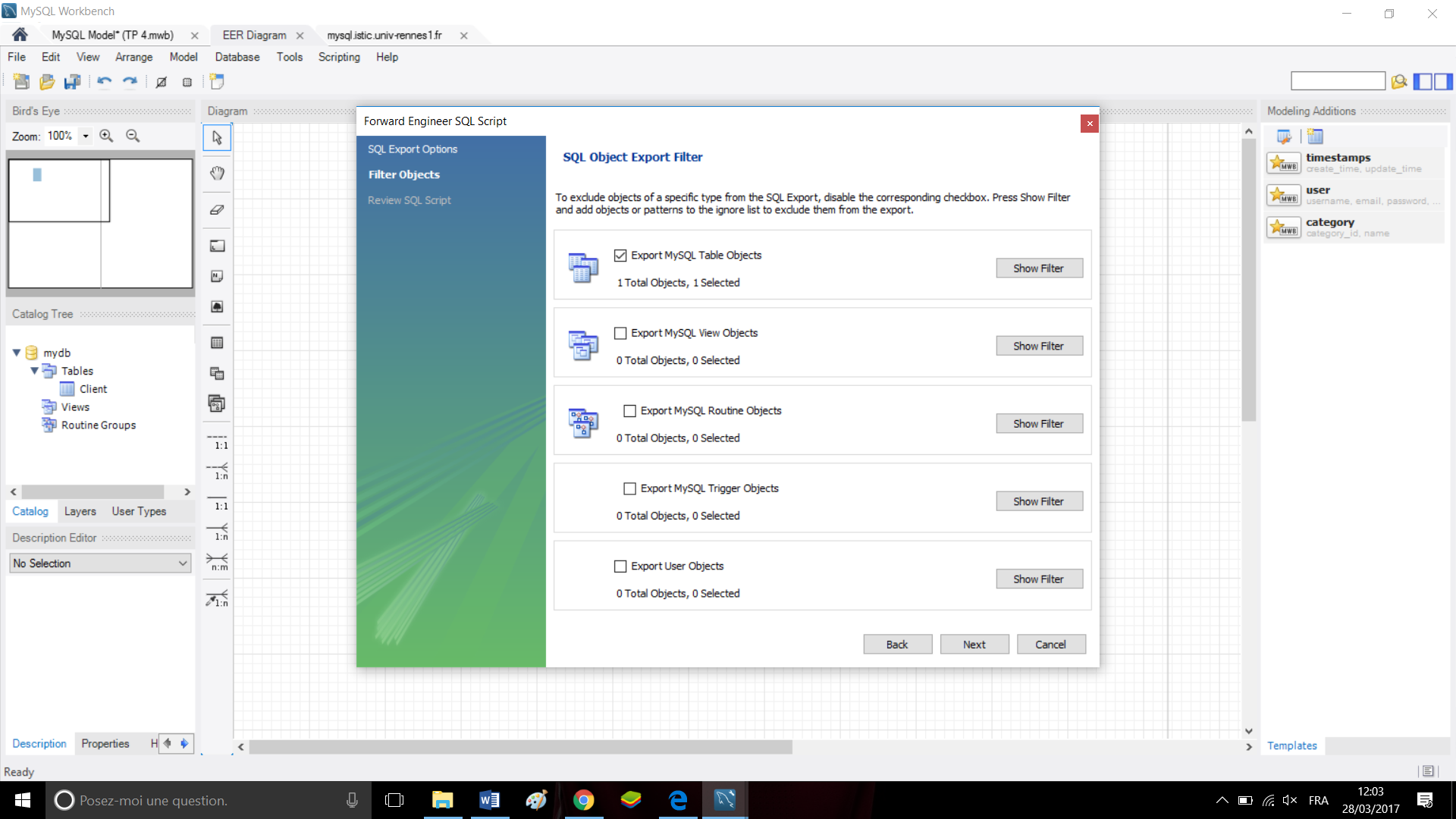
On va utiliser le schéma du TD n°3 « La base Cling Clang & Co ». On a d’abord réalisé sur papier le schéma entité association pour pouvoir le simplifier au maximum. En effet on sait que lorsque les cardinalités sont \*,1 on peut fusionner entité/association.

Schéma.

On fusionne les associations et les tables. Si l’on fait ça, deux entités vont être reliées par un traits, or dans un schéma entité/association on ne peut pas relié 2 entités ensembles. C’est pour cela que l’on utilise EER.







-- MySQL Script generated by MySQL Workbench

-- Tue Mar 28 11:58:51 2017

-- 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='TRADITIONAL,ALLOW\_INVALID\_DATES';

-- -----------------------------------------------------

-- Schema base\_17011240

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema base\_17011240

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `base\_17011240` DEFAULT CHARACTER SET utf8 ;

USE `base\_17011240` ;

-- -----------------------------------------------------

-- Table `base\_17011240`.`Client`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `base\_17011240`.`Client` (

`idClient` INT NOT NULL,

`adresse` TEXT NULL,

`CP` INT NULL,

`Ville` TEXT NULL,

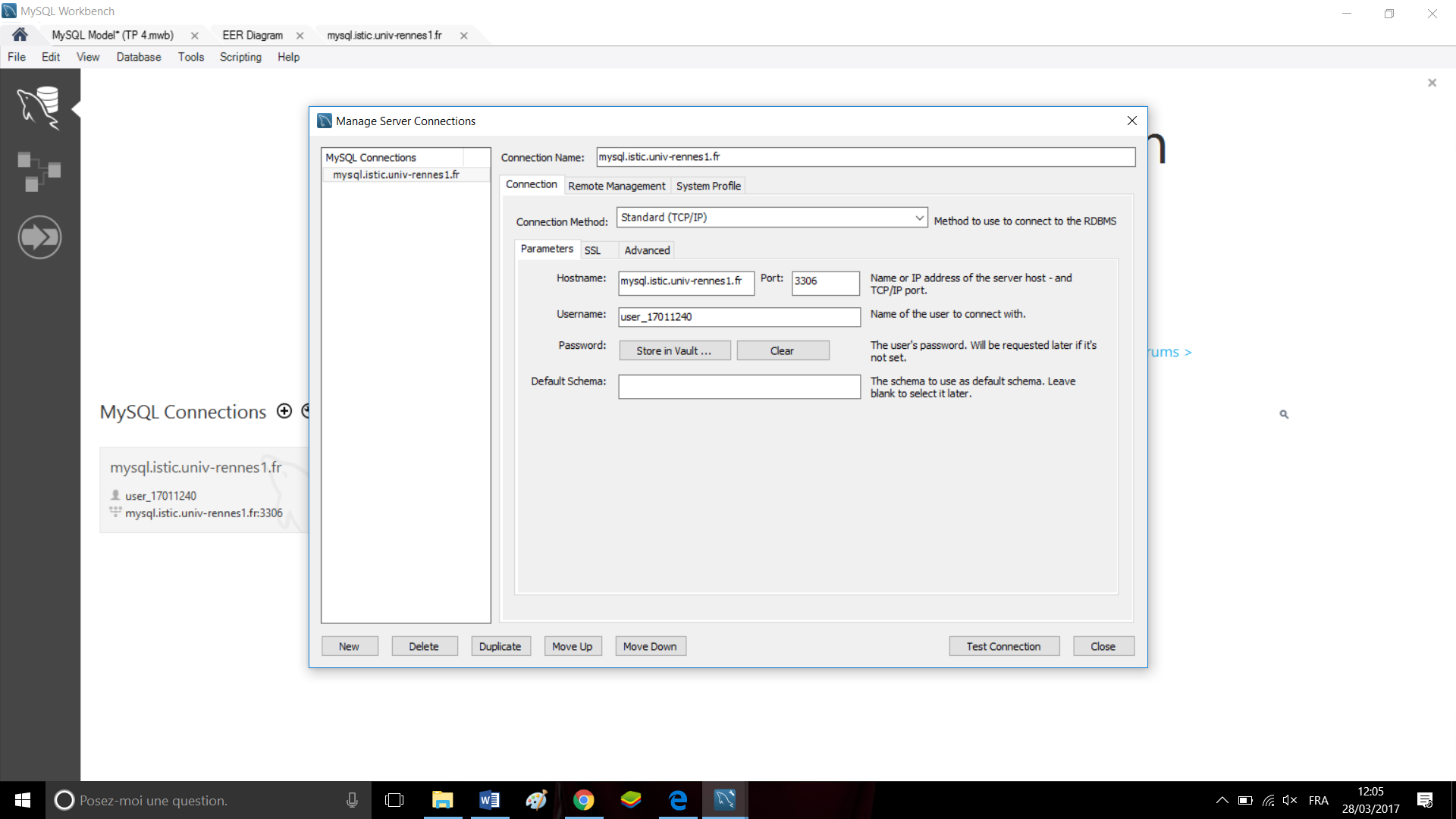
PRIMARY KEY (`idClient`))

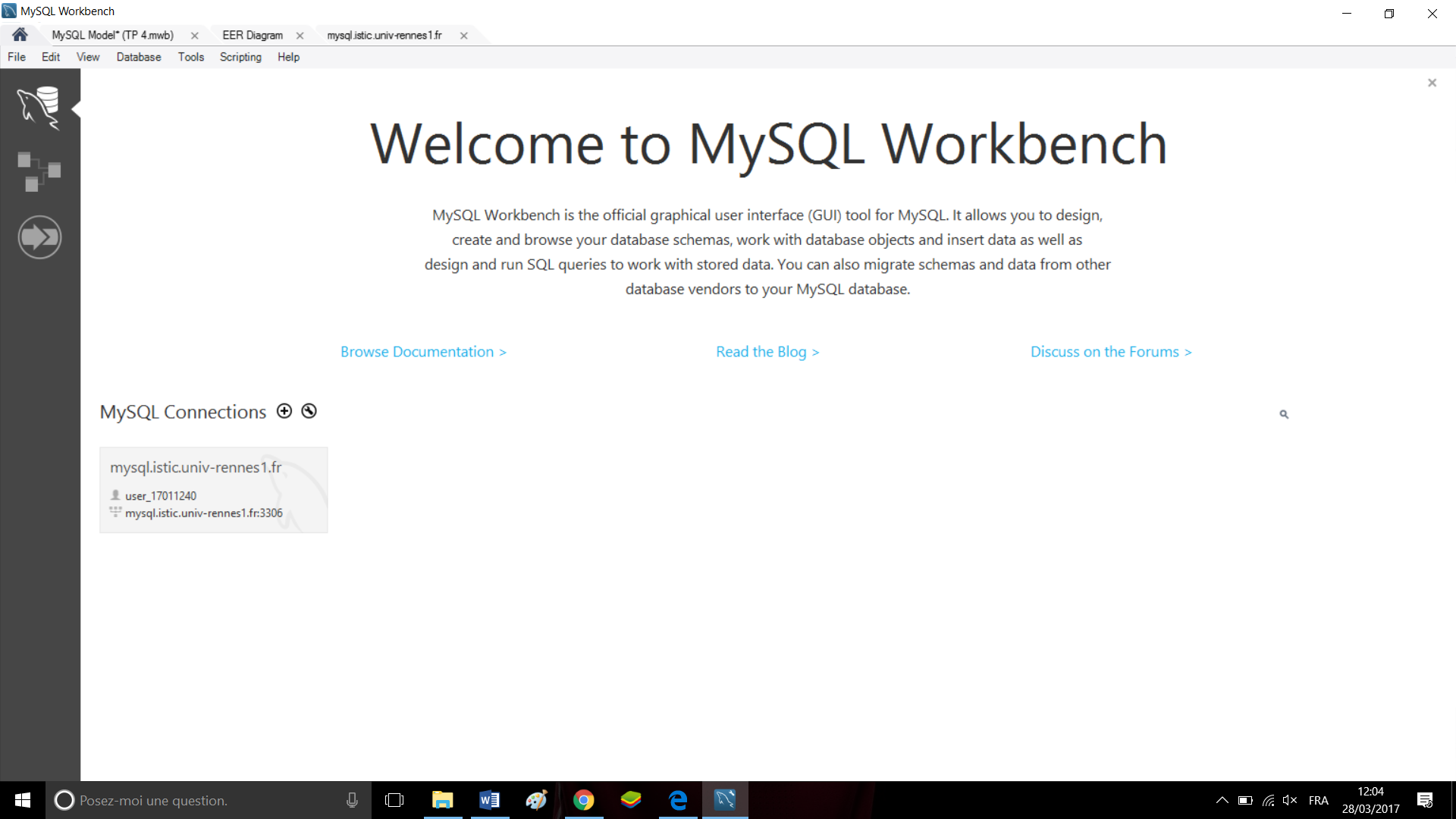
ENGINE = InnoDB;

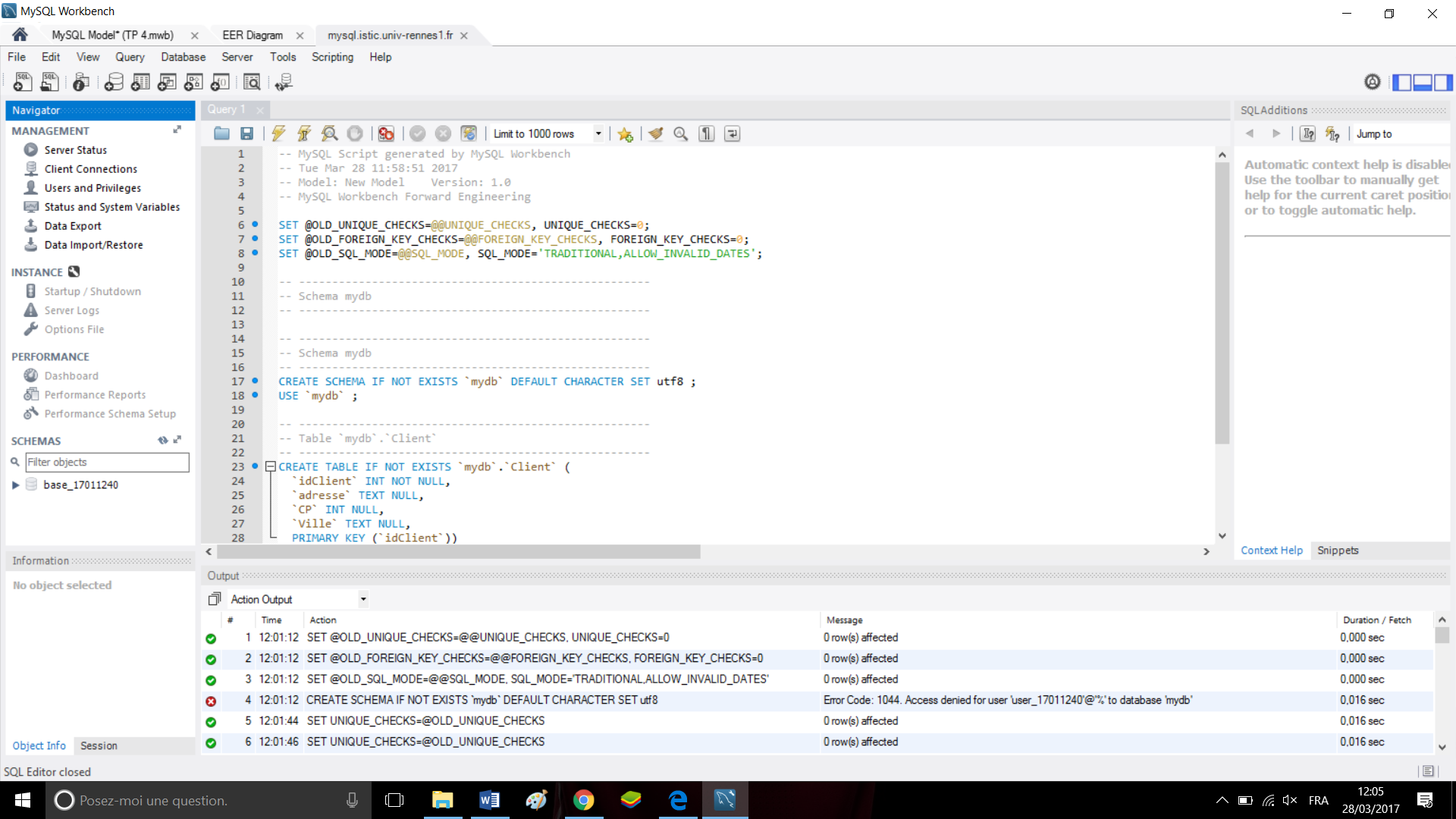
SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;







-- MySQL Script generated by MySQL Workbench

-- Tue Apr 4 14:44:30 2017

-- 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='TRADITIONAL,ALLOW\_INVALID\_DATES';

-- -----------------------------------------------------

-- Schema base\_17011240

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema base\_17011240

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `base\_17011240` DEFAULT CHARACTER SET utf8 ;

USE `base\_17011240` ;

-- -----------------------------------------------------

-- Table `base\_17011240`.`Client`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `base\_17011240`.`Client` (

`idClient` INT NOT NULL,

`adresse` TEXT NULL,

`CP` INT NULL,

`Ville` TEXT NULL,

`Nom` TEXT NULL,

PRIMARY KEY (`idClient`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `base\_17011240`.`Facture`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `base\_17011240`.`Facture` (

`idFacture` INT NOT NULL,

`Ristourne` INT NULL,

`idSource` INT NULL,

PRIMARY KEY (`idFacture`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `base\_17011240`.`Commande`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `base\_17011240`.`Commande` (

`idCommande` INT NOT NULL,

`idPanier` INT NULL,

`Facture\_idFacture` INT NOT NULL,

`Client\_idClient` INT NOT NULL,

PRIMARY KEY (`idCommande`, `Facture\_idFacture`, `Client\_idClient`),

INDEX `fk\_Commande\_Facture1\_idx` (`Facture\_idFacture` ASC),

INDEX `fk\_Commande\_Client1\_idx` (`Client\_idClient` ASC),

CONSTRAINT `fk\_Commande\_Facture1`

FOREIGN KEY (`Facture\_idFacture`)

REFERENCES `base\_17011240`.`Facture` (`idFacture`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Commande\_Client1`

FOREIGN KEY (`Client\_idClient`)

REFERENCES `base\_17011240`.`Client` (`idClient`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `base\_17011240`.`Enclume`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `base\_17011240`.`Enclume` (

`idEnclume` INT NOT NULL,

`Photos` TEXT NULL,

`Poids` INT NULL,

`Taille` INT NULL,

`Prix` INT NULL,

PRIMARY KEY (`idEnclume`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `base\_17011240`.`Produit`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `base\_17011240`.`Produit` (

`Enclume\_idEnclume` INT NOT NULL,

`Commande\_idCommande` INT NOT NULL,

`Qte` INT NULL,

PRIMARY KEY (`Enclume\_idEnclume`, `Commande\_idCommande`),

INDEX `fk\_Enclume\_has\_Commande\_Commande1\_idx` (`Commande\_idCommande` ASC),

INDEX `fk\_Enclume\_has\_Commande\_Enclume\_idx` (`Enclume\_idEnclume` ASC),

CONSTRAINT `fk\_Enclume\_has\_Commande\_Enclume`

FOREIGN KEY (`Enclume\_idEnclume`)

REFERENCES `base\_17011240`.`Enclume` (`idEnclume`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Enclume\_has\_Commande\_Commande1`

FOREIGN KEY (`Commande\_idCommande`)

REFERENCES `base\_17011240`.`Commande` (`idCommande`)

ON DELETE NO ACTION

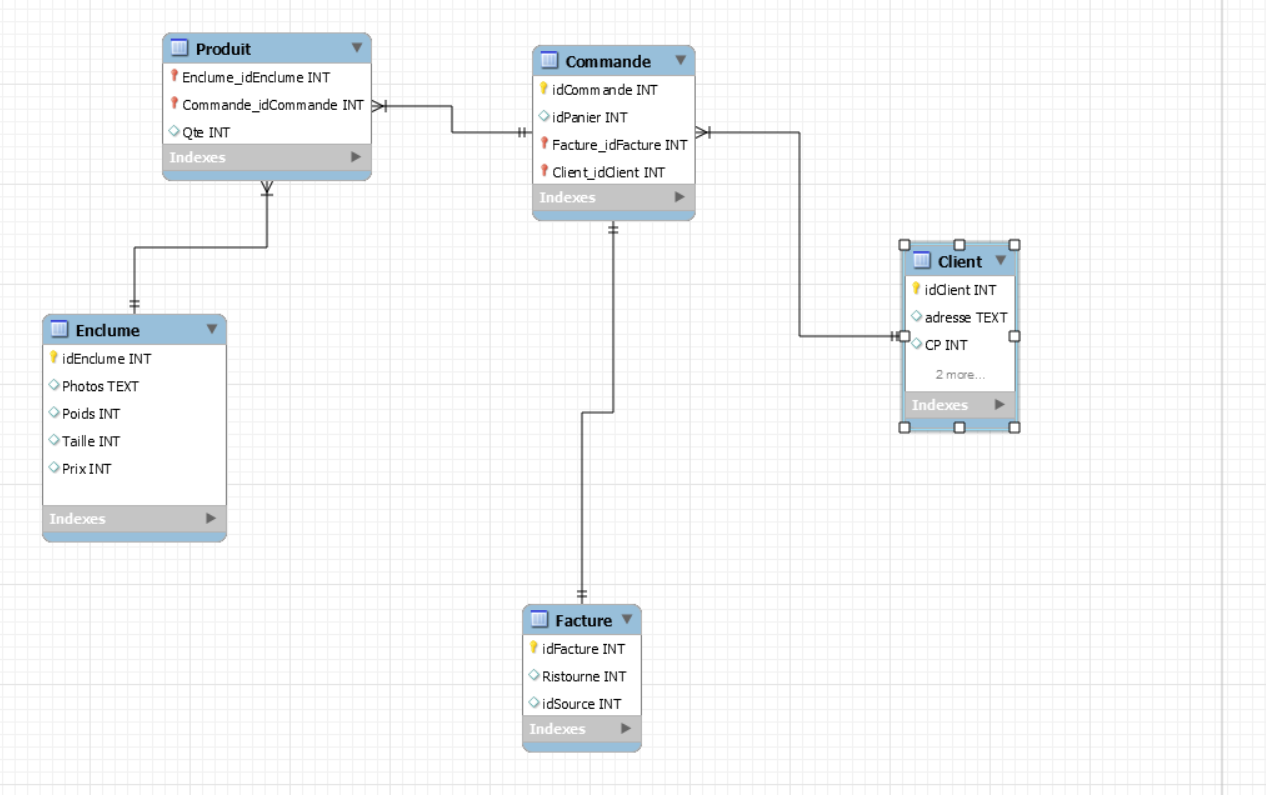
ON UPDATE NO ACTION)

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;



INSERT INTO `base\_17011240`.`Client` (`idClient`, `adresse`, `CP`, `Ville`, `Nom`) VALUES ('1', 'rue dantrain', '35700', 'Rennes', 'Guilpain');

INSERT INTO `base\_17011240`.`Client` (`idClient`, `adresse`, `CP`, `Ville`, `Nom`) VALUES ('2', 'rue des champs', '69000', 'Lyon', 'Greco');

INSERT INTO `base\_17011240`.`Client` (`idClient`, `adresse`, `CP`, `Ville`, `Nom`) VALUES ('3', 'rue de la ville', '49000', 'Angers', 'Robin');

INSERT INTO `base\_17011240`.`Client` (`idClient`, `adresse`, `CP`, `Ville`, `Nom`) VALUES ('4', 'rue de la foret', '14000', 'Caen', 'Legris');

INSERT INTO `base\_17011240`.`Enclume` (`idEnclume`, `Photos`, `Poids`, `Taille`, `Prix`) VALUES ('1', 'Rouge', '20', '60', '200');

INSERT INTO `base\_17011240`.`Enclume` (`idEnclume`, `Photos`, `Poids`, `Taille`, `Prix`) VALUES ('2', 'Bleu', '30', '70', '300');

INSERT INTO `base\_17011240`.`Facture` (`idFacture`, `Ristourne`, `idSource`) VALUES ('1', '0', '1');

INSERT INTO `base\_17011240`.`Facture` (`idFacture`, `Ristourne`, `idSource`) VALUES ('2', '0', '2');

INSERT INTO `base\_17011240`.`Facture` (`idFacture`, `Ristourne`, `idSource`) VALUES ('1', '0', '1');

INSERT INTO `base\_17011240`.`Facture` (`idFacture`, `Ristourne`, `idSource`) VALUES ('2', '0', '2');

INSERT INTO `base\_17011240`.`Facture` (`idFacture`, `Ristourne`, `idSource`) VALUES ('3', '0', '3');

INSERT INTO `base\_17011240`.`Facture` (`idFacture`, `Ristourne`, `idSource`) VALUES ('4', '0', '4');

INSERT INTO `base\_17011240`.`Commande` (`idCommande`, `idPanier`, `Facture\_idFacture`, `Client\_idClient`) VALUES ('1', '1', '1', '1');

INSERT INTO `base\_17011240`.`Commande` (`idCommande`, `idPanier`, `Facture\_idFacture`, `Client\_idClient`) VALUES ('2', '2', '2', '2');

INSERT INTO `base\_17011240`.`Commande` (`idCommande`, `idPanier`, `Facture\_idFacture`, `Client\_idClient`) VALUES ('3', '3', '4', '4');

INSERT INTO `base\_17011240`.`Commande` (`idCommande`, `idPanier`, `Facture\_idFacture`, `Client\_idClient`) VALUES ('4', '4', '3', '3');

