CREATE TABLE tblUsers(

IdUser INT AUTO\_INCREMENT,

UserName VARCHAR(50) DEFAULT NULL,

NameUser VARCHAR(50) DEFAULT NULL,

Password VARCHAR(50) DEFAULT NULL,

FirstName VARCHAR(50) DEFAULT NULL,

Email VARCHAR(50) DEFAULT NULL,

PRIMARY KEY(IdUser)

)ENGINE = INNODB;

CREATE TABLE tblFridge (

IdFridge INT AUTO\_INCREMENT,

IdUser INT DEFAULT NULL,

NameFridge VARCHAR(50) DEFAULT NULL,

Description TEXT DEFAULT NULL,

PRIMARY KEY(IdFridge)

)ENGINE = INNODB;

CREATE TABLE tblIngredientsFridge (

IdIngredientFridge INT AUTO\_INCREMENT,

IdFridge INT DEFAULT NULL,

IdIngredient INT DEFAULT NULL,

DateAddIngredient DATE DEFAULT NULL,

DateRemoveIngredient DATE DEFAULT NULL,

PRIMARY KEY(IdIngredientFridge)

)ENGINE = INNODB;

CREATE TABLE tblIngredients (

IdIngredient INT AUTO\_INCREMENT,

NameIngredient VARCHAR(50) DEFAULT NULL,

DaysFreezerMaxDuration SMALLINT DEFAULT NULL,

DaysFridgeMaxDuration SMALLINT DEFAULT NULL,

PRIMARY KEY(IdIngredient)

)ENGINE = INNODB;

CREATE TABLE tblIngredientsRecipes (

IdIngredientRecipe INT AUTO\_INCREMENT,

IdIngredient INT DEFAULT NULL,

IdRecipe INT DEFAULT NULL,

Quantity VARCHAR(30) DEFAULT NULL,

PRIMARY KEY(IdIngredientRecipe)

) ENGINE = INNODB;

CREATE TABLE tblRecipes (

IdRecipe INT AUTO\_INCREMENT,

NameRecipe VARCHAR(30) DEFAULT NULL,

Description TEXT DEFAULT NULL,

PRIMARY KEY(IdRecipe)

) ENGINE = INNODB;

CREATE TABLE tblSteps (

IdStep INT AUTO\_INCREMENT,

IdRecipe INT DEFAULT NULL,

NumberStep INT DEFAULT NULL,

NameStep VARCHAR(50) DEFAULT NULL,

Description TEXT DEFAULT NULL,

PRIMARY KEY(IdStep)

) ENGINE = INNODB;

**FOREIGN KEYS**

ALTER TABLE tblFridge

ADD CONSTRAINT FOREIGN KEY (IdUser) REFERENCES tblUsers (IdUser);

ALTER TABLE tblIngredientsFridge

ADD CONSTRAINT FOREIGN KEY (IdFridge) REFERENCES tblFridge (IdFridge);

ALTER TABLE tblIngredientsFridge

ADD CONSTRAINT FOREIGN KEY (IdIngredient) REFERENCES tblIngredients (IdIngredient);

ALTER TABLE tblIngredientsRecipes

ADD CONSTRAINT FOREIGN KEY (IdIngredient) REFERENCES tblIngredients (IdIngredient);

ALTER TABLE tblIngredientsRecipes

ADD CONSTRAINT FOREIGN KEY (IdRecipe) REFERENCES tblRecipes (IdRecipe);

ALTER TABLE tblSteps

ADD CONSTRAINT FOREIGN KEY (IdRecipe) REFERENCES tblRecipes (IdRecipe);