**#CRIAÇÃO DO BANCO**

-- MySQL Script generated by MySQL Workbench

-- Sun Oct 23 15:25:01 2022

-- 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\_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`.`Plano`

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

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

`id` INT NOT NULL AUTO\_INCREMENT,

`descricao` VARCHAR(55) NOT NULL,

`preco` DOUBLE(10,2) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB;

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

-- Table `mydb`.`Contrato`

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

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

`id` INT NOT NULL AUTO\_INCREMENT,

`inicio\_vigencia` DATE NOT NULL,

`fim\_vigencia` DATE NULL,

`plano\_id` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Contrato\_Plano1\_idx` (`plano\_id` ASC) VISIBLE,

CONSTRAINT `fk\_Contrato\_Plano1`

FOREIGN KEY (`plano\_id`)

REFERENCES `mydb`.`Plano` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `mydb`.`Cliente`

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

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

`id` INT(11) NOT NULL AUTO\_INCREMENT,

`nome` VARCHAR(255) NOT NULL,

`email` VARCHAR(55) NOT NULL,

`senha` CHAR(60) NOT NULL,

`id\_contrato` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Cliente\_Contratacao\_idx` (`id\_contrato` ASC) VISIBLE,

UNIQUE INDEX `email\_UNIQUE` (`email` ASC) VISIBLE,

CONSTRAINT `fk\_Cliente\_Contratacao`

FOREIGN KEY (`id\_contrato`)

REFERENCES `mydb`.`Contrato` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `mydb`.`Limite\_Gastos`

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

CREATE TABLE IF NOT EXISTS `mydb`.`Limite\_Gastos` (

`id` INT NOT NULL AUTO\_INCREMENT,

`valor` DOUBLE(10,2) NOT NULL,

`id\_cliente` INT(11) NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Limite\_Gastos\_Cliente1\_idx` (`id\_cliente` ASC) VISIBLE,

CONSTRAINT `fk\_Limite\_Gastos\_Cliente1`

FOREIGN KEY (`id\_cliente`)

REFERENCES `mydb`.`Cliente` (`id`)

ON DELETE CASCADE

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `mydb`.`Conta`

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

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

`id` INT NOT NULL AUTO\_INCREMENT,

`nome` VARCHAR(45) NOT NULL,

`banco` VARCHAR(45) NOT NULL,

`cliente\_id` INT(11) NOT NULL,

`id\_limite\_gastos` INT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Conta\_Cliente1\_idx` (`cliente\_id` ASC) VISIBLE,

INDEX `fk\_Conta\_Limite\_Gastos1\_idx` (`id\_limite\_gastos` ASC) VISIBLE,

CONSTRAINT `fk\_Conta\_Cliente1`

FOREIGN KEY (`cliente\_id`)

REFERENCES `mydb`.`Cliente` (`id`)

ON DELETE CASCADE

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Conta\_Limite\_Gastos1`

FOREIGN KEY (`id\_limite\_gastos`)

REFERENCES `mydb`.`Limite\_Gastos` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `mydb`.`Categoria`

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

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

`id` INT NOT NULL AUTO\_INCREMENT,

`descricao` VARCHAR(55) NOT NULL,

`limite\_gastos\_id` INT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Categoria\_Limite\_Gastos1\_idx` (`limite\_gastos\_id` ASC) VISIBLE,

CONSTRAINT `fk\_Categoria\_Limite\_Gastos1`

FOREIGN KEY (`limite\_gastos\_id`)

REFERENCES `mydb`.`Limite\_Gastos` (`id`)

ON DELETE CASCADE

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `mydb`.`Via\_Pagamento`

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

CREATE TABLE IF NOT EXISTS `mydb`.`Via\_Pagamento` (

`id` INT NOT NULL AUTO\_INCREMENT,

`descricao` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB;

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

-- Table `mydb`.`Lancamento`

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

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

`id` INT NOT NULL AUTO\_INCREMENT,

`descricao` VARCHAR(255) NOT NULL,

`valor` DOUBLE(10,2) NOT NULL,

`data\_lancamento` DATETIME NOT NULL,

`tipo\_lancamento` VARCHAR(45) NOT NULL,

`conta\_id` INT NOT NULL,

`categoria\_id` INT NULL,

`id\_cliente` INT(11) NOT NULL,

`id\_via\_pagamento` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Lancamento\_Conta1\_idx` (`conta\_id` ASC) VISIBLE,

INDEX `fk\_Lancamento\_Categoria1\_idx` (`categoria\_id` ASC) VISIBLE,

INDEX `fk\_Lancamento\_Cliente1\_idx` (`id\_cliente` ASC) VISIBLE,

INDEX `fk\_Lancamento\_Via\_Pagamento1\_idx` (`id\_via\_pagamento` ASC) VISIBLE,

CONSTRAINT `fk\_Lancamento\_Conta1`

FOREIGN KEY (`conta\_id`)

REFERENCES `mydb`.`Conta` (`id`)

ON DELETE CASCADE

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Lancamento\_Categoria1`

FOREIGN KEY (`categoria\_id`)

REFERENCES `mydb`.`Categoria` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Lancamento\_Cliente1`

FOREIGN KEY (`id\_cliente`)

REFERENCES `mydb`.`Cliente` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Lancamento\_Via\_Pagamento1`

FOREIGN KEY (`id\_via\_pagamento`)

REFERENCES `mydb`.`Via\_Pagamento` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `mydb`.`Cartao`

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

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

`id` INT NOT NULL AUTO\_INCREMENT,

`descricao` VARCHAR(45) NOT NULL,

`limite` DOUBLE(10,2) NOT NULL,

`data\_vencimento` DATE NOT NULL,

`data\_fechamento` DATE NOT NULL,

`conta\_pagamento\_id` INT NOT NULL,

`via\_pagamento\_id` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Cartao\_Conta1\_idx` (`conta\_pagamento\_id` ASC) VISIBLE,

INDEX `fk\_Cartao\_Via\_Pagamento1\_idx` (`via\_pagamento\_id` ASC) VISIBLE,

CONSTRAINT `fk\_Cartao\_Conta1`

FOREIGN KEY (`conta\_pagamento\_id`)

REFERENCES `mydb`.`Conta` (`id`)

ON DELETE CASCADE

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Cartao\_Via\_Pagamento1`

FOREIGN KEY (`via\_pagamento\_id`)

REFERENCES `mydb`.`Via\_Pagamento` (`id`)

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;

**#CRIAÇÃO DE USUÁRIOS**

create user if not exists 'administrador'@'localhost' identified by 'admin';

create user if not exists 'cliente'@'localhost' identified by '1234';

#CONCESSÃO DE ACESSO DOS USUÁRIOS NAS TABELAS

GRANT SELECT, INSERT, UPDATE, DELETE ON \* . \* TO administrador@localhost with grant option;

GRANT SELECT, INSERT, UPDATE, DELETE

ON mydb.limite\_gastos

TO cliente@localhost;

GRANT SELECT

ON mydb.plano

TO cliente@localhost;

GRANT SELECT

ON mydb.contrato

TO cliente@localhost;

GRANT SELECT, INSERT, UPDATE

ON mydb.cliente

TO cliente@localhost;

GRANT SELECT, INSERT, UPDATE, DELETE

ON mydb.conta

TO cliente@localhost;

GRANT SELECT, INSERT, UPDATE, DELETE

ON mydb.cartao

TO cliente@localhost;

GRANT SELECT, INSERT, UPDATE, DELETE

ON mydb.via\_pagamento

TO cliente@localhost;

GRANT SELECT, INSERT, UPDATE, DELETE

ON mydb.categoria

TO cliente@localhost;

GRANT SELECT, INSERT, UPDATE, DELETE

ON mydb.lancamento

TO cliente@localhost;

**#INSEÇÃO REGISTROS**

**# TABELA PLANO**

INSERT INTO mydb.plano

(descricao,preco)

VALUES

('Free',0.00),

('Premium',100.00);

**#procedure de inserção de clientes**

CREATE PROCEDURE insere\_cliente(

in nome varchar(255) ,

email varchar(50),

senha varchar(50),

plano\_id int

)

begin

declare erro tinyint default false;

declare continue HANDLER for sqlexception set erro = true;

start transaction;

INSERT INTO contrato (inicio\_vigencia, plano\_id) values (now(),plano\_id); -- Plano\_id 1 é o plano grátis

SET @vUltimoContrato = last\_insert\_id();

INSERT INTO cliente (nome, email, senha, id\_contrato)

VALUES (nome,email,senha, @vUltimoContrato);

if erro = false then

commit;

select 'Cliente Inserido!' as Fim;

else

rollback;

select 'Erro na inserção!' as Fim;

end if;

end

call insere\_cliente('Joao [Silva','joaozinho@email.com','1234xdb',1](mailto:Silva','joaozinho@email.com','1234xdb',1));

**#procedure para inserção cartão**

CREATE PROCEDURE insere\_cartao(

in

id\_cliente int,

id\_conta\_pagamento int,

descricao varchar(45) ,

limite double(10,2),

data\_vencimento date,

data\_fechamento date)

begin

declare erro tinyint default false;

declare continue HANDLER for sqlexception set erro = true;

start transaction;

INSERT INTO via\_pagamento (descricao) values (descricao);

SET @ultimo\_id\_pagamento = last\_insert\_id();

INSERT INTO cartao (descricao,limite,data\_vencimento,data\_fechamento,conta\_pagamento\_id,via\_pagamento\_id,id\_cliente)

values( descricao, limite, data\_vencimento, data\_fechamento, id\_conta\_pagamento, @ultimo\_id\_pagamento, id\_cliente)

;

if erro = false then

commit;

select 'Cartão Cadastrado!' as Fim;

else

rollback;

select 'Erro na inserção de cartão!' as Fim;

end if;

end

;

call insere\_cartao (1,1,'Cartão Master Nu','5000.00','2022-12-10','2022-12-05');

**#TABELA LIMITE\_GASTOS**

INSERT INTO mydb.limite\_gastos

(valor,id\_cliente)

VALUES

('1500.25',1),

('2500.01',1);

**#TABELA CONTA**

INSERT INTO mydb.conta

(nome,banco,cliente\_id,id\_limite\_gastos)

VALUES

('Corrente','Itaú',1,1);

INSERT INTO mydb.conta

(nome,banco,cliente\_id)

VALUES

('Poupança','Brasil',1);

**# TABELA VIA\_PAGAMENTO**

INSERT INTO mydb.Via\_Pagamento

(descricao)

VALUES

('Dinheiro'),

('Pix');

**# TABELA CATEGORIA**

INSERT INTO mydb.categoria

(descricao)

VALUES

('Aluguel'),

('Alimentação')

;

INSERT INTO mydb.categoria

(descricao,limite\_gastos\_id)

values

('Salário',2);

**# TABELA LANÇAMENTO**

INSERT into mydb.lancamento

(descricao,valor, data\_lancamento, tipo\_lancamento, conta\_id, id\_via\_pagamento, categoria\_id,id\_cliente)

VALUES

('Aluguel Junho','-600.00','2022-02-17','Despesa',1,1,1,1),

('Ifood','-20.00','2022-03-02','Despesa',1,2,2,1),

('Salario','1500.00','2022-05-25','Receita',1,2,4,1),

('Faculdade','-150.00','2022-05-25','Despesa',1,2,3,1),

('Salario','1500.00','2022-06-25','Receita',1,2,4,1),

('Salario','1500.00','2022-07-25','Receita',1,2,4,1),

('Bonus','200.00','2022-07-25','Receita',1,2,4,1)

;