

-- 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 pi

-- Schema pi

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

USE `pi` ;

-- Table `pi`.`doador`

CREATE TABLE IF NOT EXISTS `pi`.`doador` (

`id` INT NOT NULL AUTO_INCREMENT,

`nome` VARCHAR(50) NOT NULL,

`pontos` INT NULL DEFAULT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4_0900_ai_ci;

-- Table `pi`.`brinde`

```
CREATE TABLE IF NOT EXISTS `pi`.`brinde` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `doadorID` INT NULL DEFAULT NULL,  
  `pontosNecessarios` INT NULL DEFAULT NULL,  
  `descricao` VARCHAR(255) NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `doadorID` (`doadorID` ASC),  
  CONSTRAINT `brinde_ibfk_1`  
    FOREIGN KEY (`doadorID`)  
      REFERENCES `pi`.`doador` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

-- Table `pi`.`receptor`

```
CREATE TABLE IF NOT EXISTS `pi`.`receptor` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `nome` VARCHAR(50) NOT NULL,  
  `estadoNecessidade` VARCHAR(255) NULL DEFAULT NULL,  
  `idUltimaDoacaoRecebida` INT NULL DEFAULT NULL,  
  `dataUltimaDoacaoRecebida` DATE NULL DEFAULT NULL,  
  PRIMARY KEY (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

-- Table `pi`.`doacao`

```
CREATE TABLE IF NOT EXISTS `pi`.`doacao` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `doadorID` INT NOT NULL,  
  `receptorID` INT NOT NULL,  
  `tipoltem` VARCHAR(255) NULL DEFAULT NULL,  
  `estadoltem` VARCHAR(255) NULL DEFAULT NULL,  
  `dataDoacao` DATE NULL DEFAULT NULL,  
  PRIMARY KEY (`id`),  
  INDEX `doadorID` (`doadorID` ASC),  
  INDEX `receptorID` (`receptorID` ASC),  
  CONSTRAINT `doacao_ibfk_1`  
    FOREIGN KEY (`doadorID`)  
    REFERENCES `pi`.`doador` (`id`),  
  CONSTRAINT `doacao_ibfk_2`  
    FOREIGN KEY (`receptorID`)  
    REFERENCES `pi`.`receptor` (`id`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

-- Table `pi`.`Endereço`

```
create table if not exists `pi`.`endereco`(  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `doadorID` INT NOT NULL,  
  `receptorID` INT NOT NULL,  
  `logradouro` VARCHAR(150),
```

```

    `numero` VARCHAR(10),
    `complemento` VARCHAR(50),
    `cidade` VARCHAR(100),
    `estado` CHAR(2), #sigla
    `bairro` VARCHAR(100),
    `cep` CHAR(9),
    PRIMARY KEY(`id`),

    CONSTRAINT `doador_endereco_fk`
    FOREIGN KEY(`doadorID`)
    REFERENCES `pi`.`doador`(`id`),

    CONSTRAINT `receptor_endereco_fk`
    FOREIGN KEY(`receptorID`)
    REFERENCES `pi`.`receptor`(`id`)
)DEFAULT CHARACTER SET UTF8
DEFAULT CHARSET = UTF8
ENGINE = InnoDB;

-----
-- Table `pi`.`Contato`
-----

CREATE TABLE IF NOT EXISTS `pi`.`contato` (
    `id` int not null auto_increment,
    `doadorID` INT NOT NULL,
    `receptorID` INT NOT NULL,
    `numero` VARCHAR(12) NOT NULL,
    `email` VARCHAR(250) NULL DEFAULT NULL,
    `ddd` CHAR(2) NOT NULL,
    `tipo` ENUM('RES','CEL') NOT NULL, # RES -> residencial, CEL -> celular

```

PRIMARY KEY(`id`),

CONSTRAINT `doador_contato_fk`

FOREIGN KEY(`doadorID`)

REFERENCES `pi`.`doador`(`id`),

CONSTRAINT `receptor_contato_fk`

FOREIGN KEY(`receptorID`)

REFERENCES `pi`.`receptor`(`id`)

)DEFAULT CHARACTER SET UTF8

DEFAULT CHARSET = UTF8

ENGINE = InnoDB;

SET SQL_MODE=@OLD_SQL_MODE;

SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;

SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;