-- 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';

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-- Schema mydb

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-- Schema medicaldb

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

-- Schema medicaldb

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CREATE SCHEMA IF NOT EXISTS `medicaldb` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci ;

USE `medicaldb` ;

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

-- Table `medicaldb`.`diseases`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`diseases` (

`DiseaseID` INT NOT NULL,

`DiseaseName` VARCHAR(255) NULL DEFAULT NULL,

`Symptom` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`DiseaseID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `medicaldb`.`doctors`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`doctors` (

`DoctorID` INT NOT NULL,

`Name` VARCHAR(255) NULL DEFAULT NULL,

`ContactInfo` VARCHAR(255) NULL DEFAULT NULL,

`Department` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`DoctorID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `medicaldb`.`insurancecompanies`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`insurancecompanies` (

`InsuranceCompanyID` INT NOT NULL,

`Name` VARCHAR(255) NULL DEFAULT NULL,

`Address` VARCHAR(255) NULL DEFAULT NULL,

`ContactInfo` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`InsuranceCompanyID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `medicaldb`.`pharmacy`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`pharmacy` (

`PrescriptionID` INT NOT NULL AUTO\_INCREMENT,

`MedicationName` VARCHAR(255) NULL DEFAULT NULL,

`PrescriptionDate` DATE NULL DEFAULT NULL,

PRIMARY KEY (`PrescriptionID`))

ENGINE = InnoDB

AUTO\_INCREMENT = 8

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `medicaldb`.`patients`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`patients` (

`PatientID` INT NOT NULL,

`DoctorID` INT NULL DEFAULT NULL,

`Name` VARCHAR(255) NULL DEFAULT NULL,

`Address` VARCHAR(255) NULL DEFAULT NULL,

`Phone` VARCHAR(20) NULL DEFAULT NULL,

`DateOfBirth` DATE NULL DEFAULT NULL,

`Pharmacy` VARCHAR(255) NULL DEFAULT NULL,

`InsuranceInfo` VARCHAR(255) NULL DEFAULT NULL,

`pharmacy\_PrescriptionID` INT NOT NULL,

`insurancecompanies\_InsuranceCompanyID` INT NOT NULL,

PRIMARY KEY (`PatientID`),

INDEX `DoctorID` (`DoctorID` ASC) VISIBLE,

INDEX `fk\_patients\_pharmacy1\_idx` (`pharmacy\_PrescriptionID` ASC) VISIBLE,

INDEX `fk\_patients\_insurancecompanies1\_idx` (`insurancecompanies\_InsuranceCompanyID` ASC) VISIBLE,

CONSTRAINT `patients\_ibfk\_1`

FOREIGN KEY (`DoctorID`)

REFERENCES `medicaldb`.`doctors` (`DoctorID`),

CONSTRAINT `fk\_patients\_pharmacy1`

FOREIGN KEY (`pharmacy\_PrescriptionID`)

REFERENCES `medicaldb`.`pharmacy` (`PrescriptionID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_patients\_insurancecompanies1`

FOREIGN KEY (`insurancecompanies\_InsuranceCompanyID`)

REFERENCES `medicaldb`.`insurancecompanies` (`InsuranceCompanyID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `medicaldb`.`patientdiseases`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`patientdiseases` (

`PatientID` INT NOT NULL,

`DiseaseID` INT NOT NULL,

PRIMARY KEY (`PatientID`, `DiseaseID`),

INDEX `DiseaseID` (`DiseaseID` ASC) VISIBLE,

CONSTRAINT `patientdiseases\_ibfk\_1`

FOREIGN KEY (`PatientID`)

REFERENCES `medicaldb`.`patients` (`PatientID`),

CONSTRAINT `patientdiseases\_ibfk\_2`

FOREIGN KEY (`DiseaseID`)

REFERENCES `medicaldb`.`diseases` (`DiseaseID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `medicaldb`.`patientinsurance`

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

CREATE TABLE IF NOT EXISTS `medicaldb`.`patientinsurance` (

`InsuranceCompanyID` INT NOT NULL,

PRIMARY KEY (`InsuranceCompanyID`),

INDEX `InsuranceCompanyID` (`InsuranceCompanyID` ASC) VISIBLE,

CONSTRAINT `patientinsurance\_ibfk\_2`

FOREIGN KEY (`InsuranceCompanyID`)

REFERENCES `medicaldb`.`insurancecompanies` (`InsuranceCompanyID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

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

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