

```
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
-- -----
```

```
DROP SCHEMA IF EXISTS `mydb` ;
```

```
-- -----
-- Schema mydb
-- -----
```

```
CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;
USE `mydb` ;
```

```
-- -----
-- Table `mydb`.`Person`
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Person` (
  `persID` INT NOT NULL,
  `pname` VARCHAR(45) NULL,
  PRIMARY KEY (`persID`))
ENGINE = InnoDB;
```

```
-- -----
-- Table `mydb`.`Person_phoneNumMV`
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Person_phoneNumMV` (
  `persID` INT NOT NULL,
  `phoneNum` VARCHAR(10) NOT NULL,
  INDEX `fk_Person_phoneNumMV_Person_idx` (`persID` ASC) VISIBLE,
  PRIMARY KEY (`persID`, `phoneNum`),
  CONSTRAINT `fk_Person_phoneNumMV_Person`
    FOREIGN KEY (`persID`)
      REFERENCES `mydb`.`Person` (`persID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

-- Table `mydb`.`Patient`

```
CREATE TABLE IF NOT EXISTS `mydb`.`Patient` (  
  `pID` VARCHAR(9) NOT NULL,  
  `persID` INT NULL,  
  PRIMARY KEY (`pID`),  
  INDEX `fk_Patient_Person1_idx` (`persID` ASC) VISIBLE,  
  CONSTRAINT `fk_Patient_Person1`  
    FOREIGN KEY (`persID`)  
      REFERENCES `mydb`.`Person` (`persID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

-- Table `mydb`.`Shift`

```
CREATE TABLE IF NOT EXISTS `mydb`.`Shift` (  
  `sID` INT NOT NULL,  
  `startTime` TIME NOT NULL,  
  `endTime` TIME NOT NULL,  
  `shiftDate` DATE NOT NULL,  
  PRIMARY KEY (`sID`))  
ENGINE = InnoDB;
```

-- Table `mydb`.`visits_relation`

```
CREATE TABLE IF NOT EXISTS `mydb`.`visits_relation` (  
  `pID` VARCHAR(9) NOT NULL,  
  `sID` INT NOT NULL,  
  `result` TINYINT(2) NOT NULL,  
  INDEX `fk_Visits_relation_Patient1_idx` (`pID` ASC) VISIBLE,  
  INDEX `fk_Visits_relation_Shift1_idx` (`sID` ASC) VISIBLE,  
  PRIMARY KEY (`pID`, `sID`),  
  CONSTRAINT `fk_Visits_relation_Patient1`  
    FOREIGN KEY (`pID`)  
      REFERENCES `mydb`.`Patient` (`pID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `fk_Visits_relation_Shift1`
```

```
FOREIGN KEY (`sID`)
REFERENCES `mydb`.`Shift` (`sID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
-- -----
-- Table `mydb`.`Worker`
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Worker` (
  `wID` VARCHAR(9) NOT NULL,
  `workType` TINYINT(1) NOT NULL,
  `persID` INT NULL,
  PRIMARY KEY (`wID`),
  INDEX `fk_Worker_Person1_idx` (`persID` ASC) VISIBLE,
  CONSTRAINT `fk_Worker_Person1`
    FOREIGN KEY (`persID`)
      REFERENCES `mydb`.`Person` (`persID`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
-- -----
-- Table `mydb`.`Doctor`
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Doctor` (
  `dID` VARCHAR(9) NOT NULL,
  `wID` VARCHAR(9) NULL,
  PRIMARY KEY (`dID`),
  INDEX `fk_Doctor_Worker1_idx` (`wID` ASC) VISIBLE,
  CONSTRAINT `fk_Doctor_Worker1`
    FOREIGN KEY (`wID`)
      REFERENCES `mydb`.`Worker` (`wID`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
-- -----
-- Table `mydb`.`Nurse`
-- -----
```

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

```

`nID` VARCHAR(9) NOT NULL,
`wID` VARCHAR(9) NULL,
PRIMARY KEY (`nID`),
INDEX `fk_Nurse_Worker1_idx` (`wID` ASC) VISIBLE,
CONSTRAINT `fk_Nurse_Worker1`
  FOREIGN KEY (`wID`)
    REFERENCES `mydb`.`Worker` (`wID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

```

```

-----
-- Table `mydb`.`Medication`
-----

```

```

CREATE TABLE IF NOT EXISTS `mydb`.`Medication` (
  `mID` INT NOT NULL,
  `medName` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`mID`))
ENGINE = InnoDB;

```

```

-----
-- Table `mydb`.`Prescription_relation`
-----

```

```

CREATE TABLE IF NOT EXISTS `mydb`.`Prescription_relation` (
  `pID` VARCHAR(9) NOT NULL,
  `dID` VARCHAR(9) NOT NULL,
  `mID` INT NOT NULL,
  `docType` TINYINT(1) NOT NULL,
  `dosage` VARCHAR(45) NOT NULL,
  `pdate` DATE NOT NULL,
  INDEX `fk_Prescription_relation_Patient1_idx` (`pID` ASC) VISIBLE,
  INDEX `fk_Prescription_relation_Doctor1_idx` (`dID` ASC) VISIBLE,
  INDEX `fk_Prescription_relation_Medication1_idx` (`mID` ASC) VISIBLE,
  PRIMARY KEY (`mID`, `dID`, `pID`),
  CONSTRAINT `fk_Prescription_relation_Patient1`
    FOREIGN KEY (`pID`)
      REFERENCES `mydb`.`Patient` (`pID`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT `fk_Prescription_relation_Doctor1`
    FOREIGN KEY (`dID`)
      REFERENCES `mydb`.`Doctor` (`dID`)

```

```
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `fk_Prescription_relation_Medication1`
FOREIGN KEY (`mID`)
REFERENCES `mydb`.`Medication` (`mID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
-----
-- Table `mydb`.`worksIn_relation`
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`worksIn_relation` (
  `wID` VARCHAR(9) NOT NULL,
  `sID` INT NOT NULL,
  INDEX `fk_worksIn_relation_Worker1_idx` (`wID` ASC) VISIBLE,
  INDEX `fk_worksIn_relation_Shift1_idx` (`sID` ASC) VISIBLE,
  PRIMARY KEY (`wID`, `sID`),
  CONSTRAINT `fk_worksIn_relation_Worker1`
    FOREIGN KEY (`wID`)
    REFERENCES `mydb`.`Worker` (`wID`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_worksIn_relation_Shift1`
    FOREIGN KEY (`sID`)
    REFERENCES `mydb`.`Shift` (`sID`)
    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;
```

```
-----
-- DATA POPULATION
-----
```

```
insert into Person values ('97248235', 'MacPeake');
insert into Person values ('87019331', 'Sehorsch');
insert into Person values ('04612438', 'Coan');
```

```

insert into Person values ('58360346', 'Terbruggen');
insert into Person values ('93823951', 'Furley');
insert into Person values ('00870305', 'Offord');
insert into Person values ('20874680', 'Drewet');
insert into Person values ('73909787', 'Gregory House');
insert into Person values ('25800492', 'Quantrill');
insert into Person values ('33516054', 'Gallahar');
insert into Person values ('76535623', 'Fisher'); -- New
insert into Person values ('52638298', 'Nick Rogers'); -- New
insert into Person values ('98342983', 'Dana Jennings'); -- New
insert into Person values ('12445387', 'Paul Kelly'); -- New
insert into Person values ('31874239', 'Dwayne Johnson'); -- New
insert into Person values ('23453984', 'Mike Baskin'); -- New
insert into Person values ('34094347', 'John Doe'); -- New
insert into Person values ('18032938', 'Jane Doe'); -- New

```

```

insert into Person_phoneNumMV values ('97248235', '4824295955');
insert into Person_phoneNumMV values ('87019331', '7990529964');
insert into Person_phoneNumMV values ('87019331', '2012792403');
insert into Person_phoneNumMV values ('58360346', '3487717723');
insert into Person_phoneNumMV values ('93823951', '5844754553');
insert into Person_phoneNumMV values ('97248235', '8041679369');
insert into Person_phoneNumMV values ('20874680', '7125093984');
insert into Person_phoneNumMV values ('33516054', '7610460417');
insert into Person_phoneNumMV values ('73909787', '0197512959');
insert into Person_phoneNumMV values ('33516054', '9028445953');
insert into Person_phoneNumMV values ('76535623', '8672364401'); -- New
insert into Person_phoneNumMV values ('52638298', '2783894189'); -- New
insert into Person_phoneNumMV values ('98342983', '6489304598'); -- New
insert into Person_phoneNumMV values ('12445387', '2139378457'); -- New (Paul Kelly)
insert into Person_phoneNumMV values ('31874239', '3453462913'); -- New (Dwayne Johnson)
insert into Person_phoneNumMV values ('23453984', '1231984736'); -- New (Mike Baskin)
insert into Person_phoneNumMV values ('34094347', '7823564590'); -- New (John Doe)
insert into Person_phoneNumMV values ('18032938', '0024834847'); -- New (Jane Doe)

```

```

insert into Patient (pID, persID) values ('P44727506', '97248235');
insert into Patient (pID, persID) values ('P57320548', '87019331');
insert into Patient (pID, persID) values ('P20187348', '33516054');
insert into Patient (pID, persID) values ('P00238724', '00870305');
insert into Patient (pID, persID) values ('P83294864', '58360346');
insert into Patient (pID, persID) values ('P48208948', '73909787'); -- Gregory House
insert into Patient (pID, persID) values ('P34583423', '76535623'); -- New (Fisher)
insert into Patient (pID, persID) values ('P45938937', '52638298'); -- New (Nick Rogers)
insert into Patient (pID, persID) values ('P43623409', '98342983'); -- New (Dana Jennings)

```

insert into Patient (pID, persID) values ('P12494357', '12445387'); -- New (Paul Kelly)
insert into Patient (pID, persID) values ('P72781249', '31874239'); -- New (Dwayne Johnson)

-- FOR type:
-- true = nurse
-- false = doctor

insert into Worker (wID, workType, persID) values ('W67634865', true, 97248235);
insert into Worker (wID, workType, persID) values ('W30496278', true, 04612438);
insert into Worker (wID, workType, persID) values ('W05060216', false, 73909787); -- Gregory House
insert into Worker (wID, workType, persID) values ('W94742366', true, 25800492);
insert into Worker (wID, workType, persID) values ('W13245874', false, 33516054);
insert into Worker (wID, workType, persID) values ('W34598238', false, 98342983); -- New (Dana)
insert into Worker (wID, workType, persID) values ('W54320912', false, 12445387); -- New (Paul Kelly)
insert into Worker (wID, workType, persID) values ('W71849459', false, 31874239); -- New (Dwayne Johnson)
insert into Worker (wID, workType, persID) values ('W89124757', true, 23453984); -- New (Mike Baskin)
insert into Worker (wID, workType, persID) values ('W12383582', true, 34094347); -- New (John Doe)
insert into Worker (wID, workType, persID) values ('W03482457', true, 18032938); -- New (Jane Doe)

insert into Shift (sID, startTime, endTime, shiftDate) values ('390849324', '8:18', '13:46', '2020-10-15');
insert into Shift (sID, startTime, endTime, shiftDate) values ('783298493', '8:18', '13:46', '2020-11-15'); -- Gregory House
insert into Shift (sID, startTime, endTime, shiftDate) values ('104241303', '8:18', '13:46', '2020-12-15');
insert into Shift (sID, startTime, endTime, shiftDate) values ('198813686', '0:54', '22:29', '2020-01-18');
insert into Shift (sID, startTime, endTime, shiftDate) values ('415284334', '2:47', '5:54', '2020-10-10');
insert into Shift (sID, startTime, endTime, shiftDate) values ('612666777', '12:18', '14:09', '2020-01-15');
insert into Shift (sID, startTime, endTime, shiftDate) values ('065061570', '15:23', '17:46', '2020-08-10');
insert into Shift (sID, startTime, endTime, shiftDate) values ('359398016', '16:01', '22:03', '2020-02-05'); -- Gregory House

```
insert into Shift (sID, startTime, endTime, shiftDate) values ('251504897', '18:53', '22:42',
'2020-07-14');
insert into Shift (sID, startTime, endTime, shiftDate) values ('739557375', '16:08', '17:00',
'2020-03-22');
insert into Shift (sID, startTime, endTime, shiftDate) values ('110268504', '1:28', '21:01',
'2020-03-19');
insert into Shift (sID, startTime, endTime, shiftDate) values ('180082664', '12:53', '17:43',
'2020-01-24');
```

```
-----
-- FOR RESULT:
-- 0 = sent home
-- 1 = sent home w/ medication
-- 2 = admitted
-----
```

```
insert into visits_relation (pID, sID, result) values ('P44727506', '359398016', '0');
insert into visits_relation (pID, sID, result) values ('P57320548', '198813686', '1');
insert into visits_relation (pID, sID, result) values ('P44727506', '415284334', '2');
insert into visits_relation (pID, sID, result) values ('P20187348', '415284334', '2');
insert into visits_relation (pID, sID, result) values ('P48208948', '359398016', '0');
insert into visits_relation (pID, sID, result) values ('P83294864', '251504897', '1');
insert into visits_relation (pID, sID, result) values ('P20187348', '251504897', '2');
insert into visits_relation (pID, sID, result) values ('P57320548', '739557375', '0');
insert into visits_relation (pID, sID, result) values ('P83294864', '359398016', '1');
insert into visits_relation (pID, sID, result) values ('P48208948', '180082664', '1');
insert into visits_relation (pID, sID, result) values ('P00238724', '180082664', '1');
insert into visits_relation (pID, sID, result) values ('P20187348', '180082664', '1');
insert into visits_relation (pID, sID, result) values ('P44727506', '180082664', '1');
insert into visits_relation (pID, sID, result) values ('P57320548', '180082664', '1');
insert into visits_relation (pID, sID, result) values ('P83294864', '415284334', '1');
insert into visits_relation (pID, sID, result) values ('P00238724', '251504897', '1');
insert into visits_relation (pID, sID, result) values ('P34583423', '783298493', '0'); -- New (Fisher)
insert into visits_relation (pID, sID, result) values ('P45938937', '783298493', '0'); -- New (Nick
Rogers)
insert into visits_relation (pID, sID, result) values ('P43623409', '180082664', '1'); -- New (Dana
Jennings)
insert into visits_relation (pID, sID, result) values ('P12494357', '065061570', '1'); -- New (Paul
Kelly)
insert into visits_relation (pID, sID, result) values ('P72781249', '612666777', '1'); -- New
(Dwayne Johnson)
```

```
insert into worksIn_relation (wID, sID) values ('W67634865', 783298493);
insert into worksIn_relation (wID, sID) values ('W67634865', 390849324);
```



```

insert into worksIn_relation (wID, sID) values ('W67634865', 104241303);
insert into worksIn_relation (wID, sID) values ('W67634865', 198813686);
insert into worksIn_relation (wID, sID) values ('W30496278', 415284334);
insert into worksIn_relation (wID, sID) values ('W30496278', 612666777);
insert into worksIn_relation (wID, sID) values ('W30496278', 065061570);
insert into worksIn_relation (wID, sID) values ('W05060216', 359398016); -- Gregory House
insert into worksIn_relation (wID, sID) values ('W05060216', 783298493); -- Gregory House
insert into worksIn_relation (wID, sID) values ('W94742366', 739557375);
insert into worksIn_relation (wID, sID) values ('W94742366', 110268504);
insert into worksIn_relation (wID, sID) values ('W13245874', 390849324);
insert into worksIn_relation (wID, sID) values ('W34598238', 180082664); -- New (Dana Jennings)
insert into worksIn_relation (wID, sID) values ('W54320912', 065061570); -- New (Paul Kelly)
insert into worksIn_relation (wID, sID) values ('W71849459', 612666777); -- New (Dwayne Johnson)
insert into worksIn_relation (wID, sID) values ('W89124757', 415284334); -- New (Mike Baskin)
insert into worksIn_relation (wID, sID) values ('W12383582', 104241303); -- New (John Doe)
insert into worksIn_relation (wID, sID) values ('W03482457', 198813686); -- New (Jane Doe)

```

```

insert into Nurse (nID, wID) values ('N93188333', 'W67634865');
insert into Nurse (nID, wID) values ('N55272249', 'W30496278');
insert into Nurse (nID, wID) values ('N24945005', 'W89124757'); -- Mike Baskin
insert into Nurse (nID, wID) values ('N34290358', 'W12383582'); -- John Doe
insert into Nurse (nID, wID) values ('N01389235', 'W03482457'); -- Jane Doe

```

```

insert into Doctor (dID, wID) values ('D86765288', 'W05060216'); -- Gregory House
insert into Doctor (dID, wID) values ('D63540208', 'W94742366');
insert into Doctor (dID, wID) values ('D38493209', 'W13245874'); -- writes own perscription
insert into Doctor (dID, wID) values ('D92347859', 'W34598238'); -- New (Dana Jennings)
insert into Doctor (dID, wID) values ('D23489465', 'W54320912'); -- New (Paul Kelly)
insert into Doctor (dID, wID) values ('D18024944', 'W71849459'); -- New (Dwayne Johnson)

```

```

insert into Medication (mID, medName) values ('861638823', 'Lipitor');
insert into Medication (mID, medName) values ('381928538', 'Zestril');
insert into Medication (mID, medName) values ('730083067', 'Proair');
insert into Medication (mID, medName) values ('966889839', 'Unithroid');
insert into Medication (mID, medName) values ('632431447', 'Amvaz');
insert into Medication (mID, medName) values ('758196127', 'Neurontin');
insert into Medication (mID, medName) values ('767585737', 'Prilosec');
insert into Medication (mID, medName) values ('928888802', 'Glucophage');
insert into Medication (mID, medName) values ('250827338', 'Cozaar');
insert into Medication (mID, medName) values ('393902492', 'Naproxen');

```

-- FOR DOCTYPE:

-- true = triage

-- false = case

insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P44727506', 'D86765288', '861638823', true, '100mg before meals', '2021-09-01');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P57320548', 'D63540208', '381928538', true, '50mg when symptoms present', '2021-10-04');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P44727506', 'D86765288', '730083067', true, '200mg daily', '2020-11-20');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P57320548', 'D86765288', '632431447', true, '25mg before meals', '2021-10-03');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P57320548', 'D63540208', '393902492', true, '25mg before meals', '2021-10-03');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P57320548', 'D38493209', '966889839', true, '10mg daily', '2021-10-13');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P20187348', 'D38493209', '632431447', true, '50mg when symptoms present', '2021-02-04');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P20187348', 'D63540208', '632431447', false, '75mg before meals', '2021-04-11');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P83294864', 'D86765288', '758196127', false, '300mg when symptoms present', '2021-10-20');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P83294864', 'D38493209', '393902492', true, '50mg before meals', '2021-03-20');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P48208948', 'D86765288', '758196127', false, '25mg daily', '2020-12-21'); -- modified this line to make Gregory House perscribe himself
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P44727506', 'D63540208', '250827338', false, '25mg daily', '2020-12-21');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P57320548', 'D63540208', '250827338', false, '25mg daily', '2020-12-21');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P20187348', 'D63540208', '250827338', false, '25mg daily', '2020-12-21');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P00238724', 'D63540208', '250827338', false, '25mg daily', '2020-12-21');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P48208948', 'D63540208', '250827338', false, '25mg daily', '2020-12-21');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P83294864', 'D86765288', '393902492', true, '50mg before meals', '2021-03-20');
insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P43623409', 'D92347859', '966889839', false, '25mg daily', '2020-01-24'); -- New (Dana Jennings writing own perscription)

insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P12494357', 'D23489465', '767585737', false, '25mg daily', '2020-08-10'); -- New (Paul Kelly writing own perscription)

insert into Prescription_relation (pID, dID, mID, docType, dosage, pDate) values ('P72781249', 'D18024944', '250827338', false, '75mg before each meal', '2020-01-15'); -- New (Dwayne Johnson writing own perscription)