

# 东方医院 数据字典

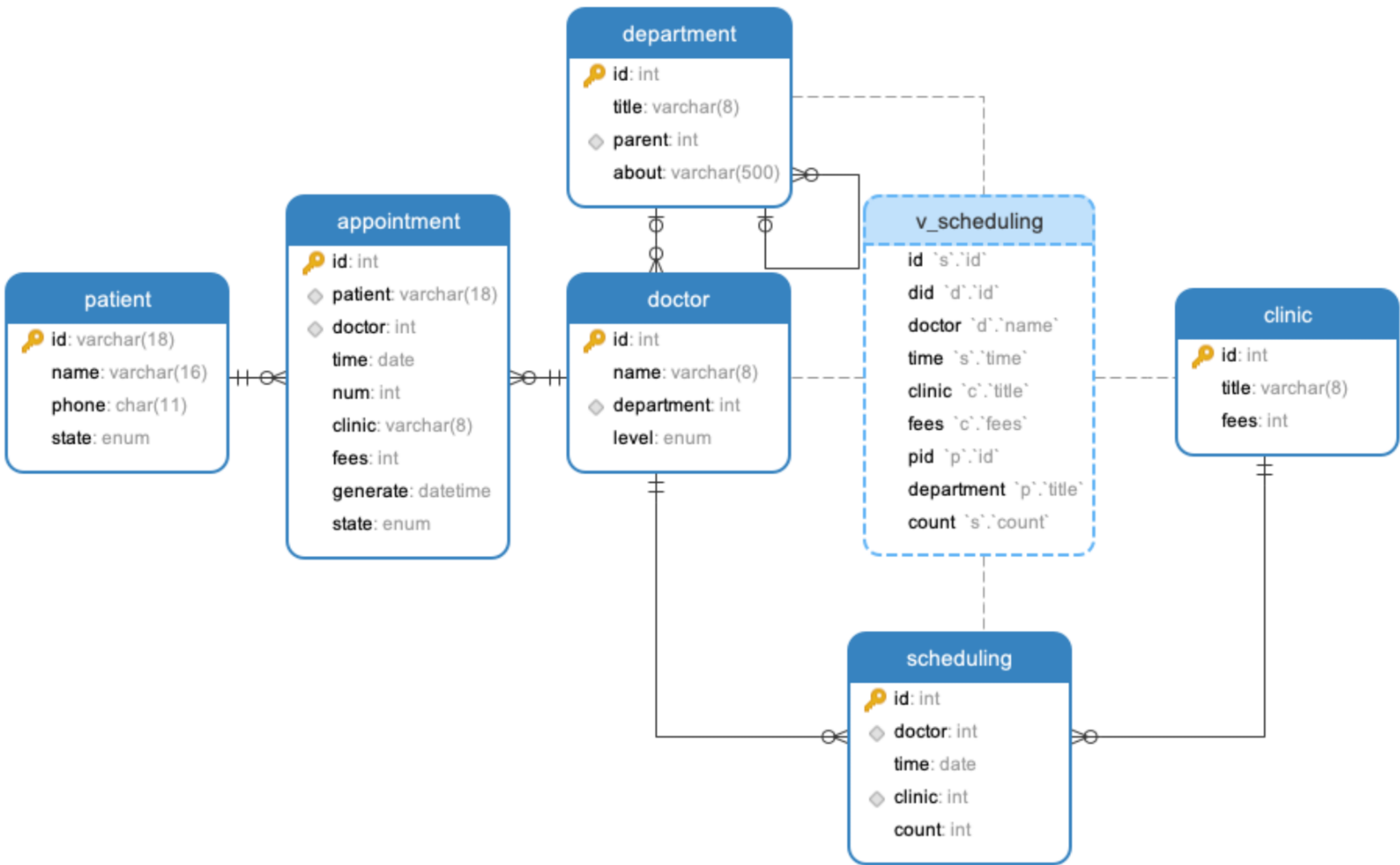
## 一、命名规范

- 1. 表名、字段名使用英文小写
- 2. 多个单词使用下划线分隔，如 id\_card
- 3. 非外键字段不要加表名前缀

## 二、表名目录

序号	表名（英文）	描述	备注
1	department	医院科室	基础信息
2	clinic	科室门诊：普通、副主任、主任、专家等	基础信息
3	doctor	医生	基础信息
4	patient	就诊人	基础信息
5	scheduling	排班：医生出诊时间及门诊类型	操作

## 三、关系模型



## 四、数据字典

- 1. 科室表：department

字段	类型	是否空	默认值	键	描述
id	int	非空	NULL	主键	科室编号
title	varchar(8)	非空	NULL		科室名称
parent	int	空	NULL	外接	上一级科室
about	varchar(64)	空	NULL		科室信息

## 2. 门诊表：clinic

字段	类型	是否空	默认值	键	描述
id	int	非空	NULL	主键	门诊编号
title	varchar(8)	非空	NULL		门诊类型
fees	int	非空	NULL		门诊收费

## 3. 医生表：doctor

字段	类型	是否空	默认值	键	描述
id	int	非空	NULL	主键	医生编号
name	varchar(8)	非空	NULL		医生姓名
department	int	非空	NULL	外键	医生科室
level	enum	非空	住院医师		职称： 住院医师 主治医师 副主任医师 主任医师

## 4. 排班表：scheduling

字段	类型	是否空	默认值	键	描述
id	int	非空	NULL	主键	排班编号
doctor	int	非空	NULL	外键	医师编号
clinic	int	非空	NULL	外键	门诊类型编号
time	date	非空	NULL		出诊日期
count	int	非空	0		预约人数：不超过30

## 5. 就诊人表：patient

字段	类型	是否空	默认值	键	描述
id	int	非空	NULL	主键	就诊人编号
name	varchar(16)	非空	NULL		就诊人姓名
id_card	char(18)	非空	NULL		身份证号码
phone	char(11)	非空	NULL		手机号
state	enum	非空	正常		状态： 正常 注销

## 6. 预约挂号表：

字段	类型	是否空	默认值	键	描述
id	int	非空	NULL	主键	预约编号



patient	int	非空	NULL	外键	就诊人编号
doctor	int	非空	NULL	外键	医生编号
time	date	非空	NULL		门诊日期
num	int	非空	NULL		预约号
clinic	varchar(8)	非空	NULL		诊室
fees	int	非空	NULL		挂号费
generate	datetime	非空	now()		预约时间
state	enum	预约	预约		状态: 预约 取消

## 五、 SQL 脚本

1.表结构:

```
-- MySQL Script generated by MySQL Workbench
-- Fri Jun 24 14:15:58 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_C
HECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='ONLY_FULL_GROUP_BY,STRI
CT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_
ZERO,NO_ENGINE_SUBSTITUTION';
```

```
-- -----
-- Schema works
-- -----
DROP SCHEMA IF EXISTS `works` ;
```

```
-- -----
-- Schema works
-- -----
CREATE SCHEMA IF NOT EXISTS `works` DEFAULT CHARACTER SET utf8mb4 ;
USE `works` ;
```

```
-- -----
-- Table `works`.`department`
-- -----
DROP TABLE IF EXISTS `works`.`department` ;
```

```
CREATE TABLE IF NOT EXISTS `works`.`department` (
  `id` INT NOT NULL AUTO_INCREMENT,
```

```
`title` VARCHAR(8) NOT NULL,  
`parent` INT NULL,  
`about` VARCHAR(64) NULL,  
PRIMARY KEY (`id`),  
INDEX `parent_fk_idx` (`parent` ASC) VISIBLE,  
CONSTRAINT `parent_fk`  
    FOREIGN KEY (`parent`)  
    REFERENCES `works`.`department` (`id`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `works`.`doctor`  
-- -----
```

```
DROP TABLE IF EXISTS `works`.`doctor` ;
```

```
CREATE TABLE IF NOT EXISTS `works`.`doctor` (  
    `id` INT NOT NULL AUTO_INCREMENT,  
    `name` VARCHAR(8) NOT NULL,  
    `department` INT NULL,  
    `level` ENUM('住院医师', '主治医师', '副主任医师', '主任医师') NOT NULL DEFAULT '住院医师',  
    PRIMARY KEY (`id`),  
    INDEX `dokcer_fk_department_idx` (`department` ASC) VISIBLE,  
    CONSTRAINT `dokcer_fk_department`  
        FOREIGN KEY (`department`)  
        REFERENCES `works`.`department` (`id`)  
        ON DELETE NO ACTION  
        ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `works`.`patient`  
-- -----
```

```
DROP TABLE IF EXISTS `works`.`patient` ;
```

```
CREATE TABLE IF NOT EXISTS `works`.`patient` (  
    `id` INT NOT NULL AUTO_INCREMENT,  
    `name` VARCHAR(16) NULL,  
    `id_card` CHAR(18) NOT NULL,  
    `phone` CHAR(11) NOT NULL,
```

```
`state` ENUM('正常', '注销') NOT NULL DEFAULT '正常',  
PRIMARY KEY (`id`))  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `works`.`clinic`  
-- -----  
DROP TABLE IF EXISTS `works`.`clinic` ;
```

```
CREATE TABLE IF NOT EXISTS `works`.`clinic` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `title` VARCHAR(8) NOT NULL,  
  `fees` INT NOT NULL,  
  PRIMARY KEY (`id`))  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `works`.`scheduling`  
-- -----  
DROP TABLE IF EXISTS `works`.`scheduling` ;
```

```
CREATE TABLE IF NOT EXISTS `works`.`scheduling` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `doctor` INT NOT NULL,  
  `time` DATE NOT NULL,  
  `clinic` INT NOT NULL,  
  `count` INT NOT NULL DEFAULT 0,  
  PRIMARY KEY (`id`),  
  INDEX `scheduling_fk_doctor_idx` (`doctor` ASC) VISIBLE,  
  INDEX `scheduling_fk_clinic_idx` (`clinic` ASC) VISIBLE,  
  CONSTRAINT `scheduling_fk_doctor`  
    FOREIGN KEY (`doctor`)  
      REFERENCES `works`.`doctor` (`id`)  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION,  
  CONSTRAINT `scheduling_fk_clinic`  
    FOREIGN KEY (`clinic`)  
      REFERENCES `works`.`clinic` (`id`)  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```



```
-- -----  
-- Table `works`.`appointment`  
-- -----
```

```
DROP TABLE IF EXISTS `works`.`appointment` ;
```

```
CREATE TABLE IF NOT EXISTS `works`.`appointment` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `patient` INT NOT NULL,  
  `doctor` INT NOT NULL,  
  `time` DATE NOT NULL,  
  `num` INT NOT NULL,  
  `clinic` VARCHAR(8) NOT NULL,  
  `fees` INT NOT NULL,  
  `generate` DATETIME NOT NULL DEFAULT now(),  
  `state` ENUM('预约', '取消') NOT NULL DEFAULT '预约',  
  PRIMARY KEY (`id`),  
  INDEX `fk_doctor_idx` (`doctor` ASC) VISIBLE,  
  CONSTRAINT `fk_patient`  
    FOREIGN KEY (`patient`)  
      REFERENCES `works`.`patient` (`id`)  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION,  
  CONSTRAINT `fk_doctor`  
    FOREIGN KEY (`doctor`)  
      REFERENCES `works`.`doctor` (`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;
```

## 2. 基础数据

```
insert into department values(1,'内科',null,");  
insert into department values(2,'外科',null,");  
insert into department values(3,'妇产科',null,");  
insert into department values(4,'儿科',null,");  
insert into department values(null,'神经内科',1,");  
insert into department values(null,'呼吸内科',1,");  
insert into department values(null,'消化内科',1,");  
insert into department values(null,'心血管内科',1,");  
insert into department values(null,'普通外科',2,");
```

```
insert into department values(null,'骨科',2,);
insert into department values(null,'神经外科',2,);
insert into department values(null,'妇科',3,);
insert into department values(null,'产科',3,);
insert into department values(null,'儿科',4,);
insert into department values(null,'新生儿科',4,);
```

```
insert into clinic values(null,'普通门诊',10);
insert into clinic values(null,'副主任门诊',25);
insert into clinic values(null,'主任门诊',35);
insert into clinic values(null,'知名专家',80);
insert into clinic values(null,'特需门诊',300);
insert into clinic values(null,'国际门诊',600);
insert into clinic values(null,'急症门诊',10);
```

```
insert into doctor(name,department,level) values('扁鹊',5,'主任医师');
insert into doctor(name,department,level) values('华佗',10,'主任医师');
insert into doctor(name,department,level) values('张仲景',6,'副主任医师');
insert into doctor(name,department,level) values('孙思邈',7,'主治医师');
insert into doctor(name,department,level) values('李时珍',8,'主治医师');
insert into doctor(name,department,level) values('东方宇辉',5,'主任医师');
insert into doctor(name,department,level) values('东方土锤',10,'副主任医师');
insert into doctor(name,department,level) values('东方呦呦',11,'副主任医师');
insert into doctor(name,department,level) values('东方顿顿',12,'副主任医师');
insert into doctor(name,department,level) values('东方七七',9,'副主任医师');
insert into doctor(name,department,level) values('东方蓓蓓',14,'主治医师');
insert into doctor(name,department,level) values('东方东东',9,'主治医师');
insert into doctor(name,department,level) values('东方杰西',11,'主治医师');
insert into doctor(name,department,level) values('东方大琪',13,'主治医师');
insert into doctor(name,department,level) values('东方老鱼',7,'住院医师');
```

```
insert into patient(name,id_card,phone) values('赛文','430103200104020042','1310
0000000');
insert into patient(name,id_card,phone) values('赛罗','430103200104020043','1501
1111111');
insert into patient(name,id_card,phone) values('雷欧','430103200104020044','1312
2222222');
insert into patient(name,id_card,phone) values('迪伽','430103200104020045','1863
3333333');
insert into patient(name,id_card,phone) values('赛伽','430103200104020046','1504
4444444');
insert into patient(name,id_card,phone) values('捷德','430103200104020047','1375
5555555');
```



```
insert into patient(name,id_card,phone) values('贝利亚','430103200104020048','13966666666');
```

```
insert into scheduling(doctor,time,clinic) values(1,'2022/7/4',1);
insert into scheduling(doctor,time,clinic) values(1,'2022/7/5',3);
insert into scheduling(doctor,time,clinic) values(1,'2022/7/6',3);
insert into scheduling(doctor,time,clinic) values(1,'2022/7/7',4);
insert into scheduling(doctor,time,clinic) values(1,'2022/7/8',4);
insert into scheduling(doctor,time,clinic) values(1,'2022/7/9',5);
```

```
insert into scheduling(doctor,time,clinic) values(2,'2022/7/4',4);
insert into scheduling(doctor,time,clinic) values(2,'2022/7/5',4);
insert into scheduling(doctor,time,clinic) values(2,'2022/7/6',4);
insert into scheduling(doctor,time,clinic) values(2,'2022/7/7',5);
insert into scheduling(doctor,time,clinic) values(2,'2022/7/8',3);
insert into scheduling(doctor,time,clinic) values(2,'2022/7/9',1);
```

```
insert into scheduling(doctor,time,clinic) values(3,'2022/7/4',2);
insert into scheduling(doctor,time,clinic) values(3,'2022/7/5',4);
insert into scheduling(doctor,time,clinic) values(3,'2022/7/6',2);
insert into scheduling(doctor,time,clinic) values(3,'2022/7/7',2);
insert into scheduling(doctor,time,clinic) values(3,'2022/7/8',2);
insert into scheduling(doctor,time,clinic) values(3,'2022/7/9',2);
```

```
insert into scheduling(doctor,time,clinic) values(4,'2022/7/4',1);
insert into scheduling(doctor,time,clinic) values(4,'2022/7/5',1);
insert into scheduling(doctor,time,clinic) values(4,'2022/7/6',1);
insert into scheduling(doctor,time,clinic) values(4,'2022/7/7',1);
insert into scheduling(doctor,time,clinic) values(4,'2022/7/8',1);
insert into scheduling(doctor,time,clinic) values(4,'2022/7/9',1);
```

```
insert into scheduling(doctor,time,clinic) values(5,'2022/7/4',1);
insert into scheduling(doctor,time,clinic) values(5,'2022/7/5',1);
insert into scheduling(doctor,time,clinic) values(5,'2022/7/6',1);
insert into scheduling(doctor,time,clinic) values(5,'2022/7/7',1);
insert into scheduling(doctor,time,clinic) values(5,'2022/7/8',1);
insert into scheduling(doctor,time,clinic) values(5,'2022/7/9',1);
```

```
insert into scheduling(doctor,time,clinic) values(6,'2022/7/4',1);
insert into scheduling(doctor,time,clinic) values(6,'2022/7/5',3);
insert into scheduling(doctor,time,clinic) values(6,'2022/7/6',4);
insert into scheduling(doctor,time,clinic) values(6,'2022/7/7',3);
insert into scheduling(doctor,time,clinic) values(6,'2022/7/8',5);
```



```
insert into scheduling(doctor,time,clinic) values(6,'2022/7/9',6);
```

```
insert into scheduling(doctor,time,clinic) values(7,'2022/7/4',2);  
insert into scheduling(doctor,time,clinic) values(7,'2022/7/5',7);  
insert into scheduling(doctor,time,clinic) values(7,'2022/7/6',2);  
insert into scheduling(doctor,time,clinic) values(7,'2022/7/7',2);  
insert into scheduling(doctor,time,clinic) values(7,'2022/7/8',4);  
insert into scheduling(doctor,time,clinic) values(7,'2022/7/9',2);
```

```
insert into scheduling(doctor,time,clinic) values(8,'2022/7/4',2);  
insert into scheduling(doctor,time,clinic) values(8,'2022/7/5',4);  
insert into scheduling(doctor,time,clinic) values(8,'2022/7/6',7);  
insert into scheduling(doctor,time,clinic) values(8,'2022/7/7',2);  
insert into scheduling(doctor,time,clinic) values(8,'2022/7/8',2);  
insert into scheduling(doctor,time,clinic) values(8,'2022/7/9',2);
```

```
insert into scheduling(doctor,time,clinic) values(9,'2022/7/4',2);  
insert into scheduling(doctor,time,clinic) values(9,'2022/7/5',2);  
insert into scheduling(doctor,time,clinic) values(9,'2022/7/6',4);  
insert into scheduling(doctor,time,clinic) values(9,'2022/7/7',7);  
insert into scheduling(doctor,time,clinic) values(9,'2022/7/8',2);  
insert into scheduling(doctor,time,clinic) values(9,'2022/7/9',2);
```

```
insert into scheduling(doctor,time,clinic) values(10,'2022/7/4',2);  
insert into scheduling(doctor,time,clinic) values(10,'2022/7/5',2);  
insert into scheduling(doctor,time,clinic) values(10,'2022/7/6',2);  
insert into scheduling(doctor,time,clinic) values(10,'2022/7/7',4);  
insert into scheduling(doctor,time,clinic) values(10,'2022/7/8',7);  
insert into scheduling(doctor,time,clinic) values(10,'2022/7/9',2);
```

```
insert into scheduling(doctor,time,clinic) values(11,'2022/7/4',7);  
insert into scheduling(doctor,time,clinic) values(11,'2022/7/5',1);  
insert into scheduling(doctor,time,clinic) values(11,'2022/7/6',1);  
insert into scheduling(doctor,time,clinic) values(11,'2022/7/7',1);  
insert into scheduling(doctor,time,clinic) values(11,'2022/7/8',1);  
insert into scheduling(doctor,time,clinic) values(11,'2022/7/9',1);
```

```
insert into scheduling(doctor,time,clinic) values(12,'2022/7/4',1);  
insert into scheduling(doctor,time,clinic) values(12,'2022/7/5',7);  
insert into scheduling(doctor,time,clinic) values(12,'2022/7/6',1);  
insert into scheduling(doctor,time,clinic) values(12,'2022/7/7',1);  
insert into scheduling(doctor,time,clinic) values(12,'2022/7/8',1);  
insert into scheduling(doctor,time,clinic) values(12,'2022/7/9',1);
```

```
insert into scheduling(doctor,time,clinic) values(13,'2022/7/4',1);
insert into scheduling(doctor,time,clinic) values(13,'2022/7/5',1);
insert into scheduling(doctor,time,clinic) values(13,'2022/7/6',7);
insert into scheduling(doctor,time,clinic) values(13,'2022/7/7',1);
insert into scheduling(doctor,time,clinic) values(13,'2022/7/8',1);
insert into scheduling(doctor,time,clinic) values(13,'2022/7/9',1);
```

```
insert into scheduling(doctor,time,clinic) values(14,'2022/7/4',1);
insert into scheduling(doctor,time,clinic) values(14,'2022/7/5',1);
insert into scheduling(doctor,time,clinic) values(14,'2022/7/6',1);
insert into scheduling(doctor,time,clinic) values(14,'2022/7/7',7);
insert into scheduling(doctor,time,clinic) values(14,'2022/7/8',1);
insert into scheduling(doctor,time,clinic) values(14,'2022/7/9',1);
```