

## Attendings table:

```
create table Attendings ( staffId int primary key, lName varchar(100), fName varchar(100),
pagerNum int, age int, sex varchar(2), specialty varchar(100), DOB date, salary decimal(9,2),
workDays varchar(100) )
```

```
insert into Attendings values
(1, 'Patel', 'Priya', 123, 45, 'F', 'Cardiothoracic Surgeon', '1976-06-17', 439000.50,
'Weekdays'),
(2, 'Abbas', 'Hassan', 456, 32, 'M', 'Hematology', '1992-10-30', 230500.00, 'Monday, Tuesday,
Wednesday, Thursday'),
(3, 'Martinez', 'Marco', 789, 55, 'M', 'Pediatrics', '1969-01-01', 780000.90, 'Weekdays'),
(4, 'Lee', 'Min Ho', 101, 39, 'M', 'General', '1985-02-07', 250000.70, 'All Week'),
(5, 'Mansoor', 'Aisha', 112, 33, 'F', 'Neurology', '1991-12-09', 417000.00, 'Weekdays'),
(6, 'Vishnu', 'Priyanka', 323, 60, 'F', 'Orthopedic Surgeon', '1964-09-06', 829000.60,
'Thursday, Friday, Saturday, Sunday'),
(7, 'Watson', 'Anastasia', 131, 40, 'F', 'Urology', '1984-03-03', 630000.50, 'Tuesday,
Wednesday, Friday, Saturday'),
(8, 'Johnson', 'Micheal', 141, 37, 'M', 'Oncology', '1987-04-11', 721000.50, 'Monday,
Wednesday, Saturday'),
(9, 'Garcia', 'Maria', 516, 38, 'F', 'General Surgeon', '1986-02-15', 580000.10, 'Tuesday,
Thursday'),
(10, 'Lee', 'David', 171, 45, 'M', 'General', '1979-11-20', 290000.00, 'Monday, Wednesday')
```

## Nurse table:

```
create table Nurses ( staffId int primary key, lName varchar(100), fName varchar(100),
pagerNum int, age int, sex varchar(2), nurseType varchar(100), DOB date, salary decimal(8,2),
workDays varchar(100) )
```

```
insert into Nurses values
(101, 'Sager', 'Jason', 234, 60, 'F', 'General Care', '1964-04-04', 90500.90, 'Monday,
Wednesday, Friday'),
(102, 'Practor', 'Viocctor', 265, 23, 'M', 'General Care', '2001-06-18', 79000.60, 'Weekdays'),
(103, 'Gallardo', 'Bono', 290, 26, 'M', 'General Care', '1998-11-25', 73000.99, 'Tuesday,
Thrusday, Friday'),
(104, 'Garcia', 'Stephanie', 267, 29, 'F', 'Dermatology', '1995-03-23', 85000.00, 'Weekdays'),
(105, 'Smith', 'Andrea', 273, 27, 'F', 'General Care', '1997-12-01', 83000.50, 'Sunday,
Wednesday, Thrusday'),
(106, 'Patel', 'Martavi', 288, 41, 'F', 'Anesthesia', '1983-02-28', 89000.80, 'Monday,
Thursday, Saturday'),
(107, 'Aziz', 'Abdullah', 223, 33, 'M', 'Anesthesia', '1991-03-19', 97000.50, 'Weekdays'),
(108, 'Stephanovic', 'Stacei', 209, 39, 'F', 'General Care', '1985-11-04', 89000.50,
'Weekdays'),
(109, 'Romanov', 'Natalia', 299, 31, 'F', 'General Care', '1993-07-08', 79000.50, 'Friday,
Saturday, Sunday'),
(110, 'McDvery', 'Chole', 251, 26, 'F', 'Internal Medicine', '1998-12-25', 89000.40,
'Weekdays')
```

## Residents & Intern table:

```
create table Residents_Interns ( ID int primary key, lName varchar(100), fName varchar(100),
SSN varchar(11), age int, sex varchar(2), Graduated_College(100), salary decimal(7,2), workDays
varchar(100) )
```

```
insert into Residents_Interns values (313, 'Al-Saud', 'Habib', '136-91-0983', 19, 'M',
'Columbia University', 29000.00, 'Monday, Wednesday, Friday, Saturday'), (334, 'Lopez',
```

```
'Laila', '299-84-3872', 21, 'F', 'New York University', 30000.00, 'Weekdays'), (329,
'Nyguyen', 'Christina', '383-23-1943', 27, 'F', 'Graduated', 73060.00, 'Weekdays'), (311,
'Ashoka', 'Dennis', '101-39-1821', 24, 'M', 'Graduated', 60800.00, 'Weekdays')
```

```
alter table Residents_Interns add ResOrInt varchar(10)
```

```
Alter table Residents_Interns rename column ResOrInt to status
```

```
Update Residents_Interns set status = 'Resident'
```

```
update Residents_Interns set Status = 'Intern' where ID = 313 OR ID = 334
```

## Patients table:

```
create table Patients( PatientId int primary key, lName varchar (100), fName varchar (100),
age int, sex char(1), insurance varchar(20), Doctor int, Nurse int, Resident int,
CurrentCondition varchar(200), phone varchar(13), foreign key (Doctor) references
Attendings(staffId), foreign key (Nurse) referencesNurses(staffId), foreign key (Resident)
references Residents_Interns(ID) )
```

```
insert into Patients values (12345, 'Padillia', 'Daniel', 17, 'M', 'PriorityYou', 2, 103, 329,
'diabetic retinopathy with hemorrhage', '673-982-9102')
```

```
insert into Patients values (98237, 'Adams', 'Barbara', 70, 'F', 'SeniorHealth', 7, 108, 311,
'recurrent UTIs and suspected kidney stones', '999-101-9299')
```

```
insert into Patients values (17268, 'Drew', 'Nancy', 14, 'F', 'GreenCare', 3, 105, null,
'persistent headaches and abdominal pain', '102-103-1041')
```

## Emergency Room table:

```
create table EmergencyRoom ( lName varchar(100), fName varchar(100), age int, diagnosis
varchar(500), admitNum int primary key, assignedNurse int, doctor int, intern int, caseStatus
int, -- used to gauge 1-10 how severe the situation is notes varchar(300) )
```

```
Alter table EmergencyRoom add constraint fk_doctor foreign key (doctor) references
Attendings(staffId);
```

```
Alter table EmergencyRoom add constraint fk_nurse foreign key (assignedNurse) references
Nurses(staffId);
```

```
Alter table EmergencyRoom add constraint fk_intern foreign key (intern) references
Residents_Interns(ID);
```

```
insert into EmergencyRoom values ('Smith', 'John', 33, 'The patient requires surgery for an
acute aortic dissection', 901, 102, 1, 313, 10, 'ER STAT; Administer stabilizing meds;
Suspected acute aortic dissection; Prep for emergent surgery'), ('Doe', 'Jane', 70, 'Mild
dehydration with symptoms of dizziness and weakness', 902, 101, 9, 334, 4, 'I.V. administered;
Patient under observation for progression')
```

## Operating Room table:

```
create table OperatingRoom ( room int primary key, surgeon int, operation varchar(200),
patientId int, nurse int, resident int, startTime time, endTime time, CurrentStatus
```

```
varchar(15), foreign key (surgeon) references Attendings(staffId), foreign key (nurse)
references Nurses(staffId), foreign key (resident) references Residents_Interns(ID) )

insert into OperatingRoom values (101, 1, 'Endovascular Repair', 901, 110, 311, '01:30:00',
'4:20:00', 'In Progress')
```

Creating HighestPaid view table:

```
create view HighestPaid as select staffId, fName, lName, age, salary from Attendings where
salary > 500000

select * from HighestPaid
```