Complete Relational Schema (and their FD’s)

**Employee** (

EmployeeID : integer,

EmployeeName : string,

salary : integer,

)

*employeeID🡪 employeeName, salary*

**Doctor** (

employeeID: integer,

specialty : string

)

*employeeID --> specialty*

**Nurse** (

employeeID : integer,

license : string

)

*EmployeeID --> license*

**Patient** (

patientID : integer,

patientName : string,

age : integer,

weight : double

inHomeCare : boolean,

primaryPhysician : integer (to match employeeID)

)

*patientID🡪 patientName, age, weight, inHomeCare, primaryPhysician*

**Appointment** (

appointmentID : integer

attended : boolean,

satisfactionLevel : integer,

location : string

ttime : string

ddate : Date

)

*appointmentID 🡪 attended, satisfactionLevel, location, ttime, ddate*

**Department** (

deptID : integer,

deptName : string,

)

*deptID 🡪 deptName*

**Vehicle** (

VIN : string,

vehicleType : string,

)

*VIN 🡪 vehicleType*

**Ailment** (

ailmentName : string,

ailDescription : string,

)

*ailmentName 🡪 ailDescription*

**Medicine** (

medID: integer,

medName: string

medCost: integer,

quantity : integer,

dosage : string,

)

*medID🡪 medName, medCost, quantity, dosage*

**Treatment** (

treatmentCost : integer,

)

*No FD’s*

**doctorIsA** (

employeeID : integer,

employeeName : string,

salary : integer,

specialty : string,

)

*employeeID🡪 employeeName, salary, specialty*

**nurseIsA** (

employeeID : integer,

employeeName : string,

salary : integer,

license : string,

)

*employeeID🡪 employeeName, salary, license*

**attends** (

employeeID : integer

appointmentID : integer

location : string

ttime : Time

ddate : Date

)

*employeeID, appointmentID* → location, ttime, ddate

**belongsTo** (

employeeID : integer

deptID : integer

)

*No FD’s*

**owns** (

deptID : integer

VIN : string

)

*No FD’s*

**withinA** (

deptID : integer

ailmentdName : string

)

*No FD’s*

**vehicleRequires** (

VIN : string

appointmentID : integer

)

*No FD’s*

**ailmentRequires** (

ailmentName : string

medID : integer

)

*No FD’s*

**patientHasA** (

patientID : integer

ailmentName : string

)

*No FD’s*

**assigned** (

patientID : integer

appointmentID : integer

)

*No FD’s*

**billed** (

patientID : integer

medID **:** integer

)

*No FD’s*