**Hospital Appointment System**

Patients:

1. Inpatient: PatientId (primary key), Name, Registered Room, Days Staying, Days, Stayed, DoB, Gender, Contact Info.

* Relationships:
* 1 impatient has 1 room they stay in
* 1 impatient has 1 appointment
* 1 impatient can have many doctors
* 1 impatient can have many nurses

1. Outpatient: PatientId (PK), Name, DoB, Gender, Contact Info.

* Relationships:
* 1 outpatient has 1 appointment
* 1 outpatient can have 1 or many doctor(s) assigned to them
* 1 outpatient can have 1 or many nurse(s) assigned to them

Employees:

1. Doctor: DoctorId (primary key), Name, DoB, Specialization, Assigned Patient, Assigned Nurse, Contact Info.

* Relationship:
* 1 doctor can have many patients
* 1 doctor can have many nurses
* 1 doctor can have many appointments
* 1 doctor can have many trainees

1. Nurse: NurseId (PK), Name, DoB, Specialization, Assigned Doctor, Assigned Patient, Contact Info.

* Relationship:
* 1 nurse can have 1 doctor
* 1 nurse can have many patients
* 1 nurse can have many appointments

1. Trainee: TraineeId (PK), Name, DoB, Specialization, University, Assigned Doctor, Contact Info.

* Relationship:
* 1 trainee has 1 doctor
* 1 trainee can have 1 or many appointments

1. Staff: StaffId (primary key), Name, Contact Info, Role, Department.

* Relationship:

Appointment Details:

1. Appointment: Appointment Number (primary key), Date, Time, Status, purpose.

* Relationship: Every appointment is connected with one doctor and one patient

1. Department: Department Name, DepartmentID (primary key).

* Relationship:

1. Room: RoomNumber (primary key), Capacity, Status.

* Relationship: