Functional Dependencies

All of the following functional dependencies are in BCNF as the left side always consists of a primary key for the table

hospitals(hospital_name, address,city, available_beds, available_operation_rooms)

hospitalName -> address,city, available_beds, available_operation_rooms

doctors(doctor_id, first_name, last_name, department_name, specialty, hospital_name, start_date, end_date)

doctor_id -> first_name, last_name, department_name, specialty, hospital_name, start_date, end_date

patients(first_name, last_name, ssn, department, prev_hospital, admission_date, discharge_date, medical_condition, blood_type, age, sex, current_hospital, weight, doctor_id)

ssn -> first_name, last_name, department, prev_hospital, admission_date, discharge_date, medical_condition, blood_type, age, sex, current_hospital, weight, doctor_id

hospitalPersonnel(employee_id, job_type, first_name, last_name, department_name, hospital_name, start_date, end_date)

employee_id-> job_type, first_name, last_name, department_name, hospital_name, start_date, end_date

emergencyContacts(patient_ssn, first_name, last_name, phone_number, relation)

patient_ssn -> first_name, last_name, phone_number, relation