**1.1**

SELECT roomNum, firstName, lastName, admitDate FROM Rooms WHERE isOccupied = 'Y';

**1.2**

SELECT roomNum FROM Rooms WHERE isOccupied = 'N';

**1.3**

SELECT \* FROM Rooms;

**2.1**

SELECT DISTINCT pID, pFirstName, lastName, insurancePolicy, insuranceCompany FROM Persons INNER JOIN Admissions USING(lastName);

**2.2**

SELECT pID, firstName, lastName FROM Persons INNER JOIN Admissions USING(lastName) WHERE dischargeDate is NULL;

**2.3**

SELECT pID, firstName, lastName FROM Persons

INNER JOIN Admissions

USING(lastName)

WHERE dischargeDate BETWEEN '2020-01-01' AND 'now';

// data left in for test purposes, will take user input in final project

**2.4**

SELECT pID, firstName, lastName FROM Persons

INNER JOIN Admissions

USING(lastName)

WHERE admitDate BETWEEN '2020-01-01' AND 'now';

// data left in for test purposes, will take user input in final project

**2.5**

SELECT \* FROM Admissions WHERE lastName = ‘Jackson’;

// data left in for test purposes, will take user input in final project

**2.6**

**2.7**

**2.8**

**3.1**

SELECT dID, diagnosisName, COUNT(diagnosis) FROM Admissions

INNER JOIN Diagnoses ON(Admissions.diagnosis = Diagnoses.diagnosisName)

GROUP BY diagnosisName

ORDER BY Count(diagnosis) DESC;

**3.2**

same as 3.1

**3.3**

SELECT tID, treatmentName, COUNT(treatment) FROM PatientTreatments

INNER JOIN Treatments ON(PatientTreatments.treatment = Treatments.treatmentName)

GROUP BY treatmentName

ORDER BY Count(treatment) DESC;

**3.4**

SELECT lastName, diagnosis, Count(diagnosis) FROM Admissions

GROUP BY lastName, diagnosis

ORDER BY Count(diagnosis) DESC;

**3.5**

SELECT lastName, orderingDoctor FROM PatientTreatments WHERE administerTime = '2019-1-10 1:20';

// data left in for test purposes, will take user input in final project

**4.1**

SELECT lastName, pFirstName, personType FROM Persons WHERE personType <> 'P'

ORDER BY lastName, pFirstName ASC;

**4.2**

**4.3**

SELECT DISTINCT diagnosis, COUNT(diagnosis) FROM Admissions WHERE primaryDoctor = 'Smith'

ORDER BY COUNT(diagnosis) DESC;

**4.4**

SELECT DISTINCT treatment, COUNT(treatment) FROM PatientTreatments WHERE orderingDoctor = ‘Knowles’

ORDER BY COUNT(treatment) DESC;

// data left in for test purposes, will take user input in final project

**4.5**

SELECT lastName, primaryDoctor, doctor FROM AdditionalDoctors

INNER JOIN Admissions ON(AdditionalDoctors.patient = Admissions.lastName)

WHERE Admissions.dischargeDate is NULL;