Module 11 - Assignment 2

Group FDs with same RHS

PatNo
1. PatNo → PatAge
2. PatNo → PatZip9

PatZip9
1. PatZip9 → PatCity

VisitNo
1. VisitNo → VisitDate
2. VisitNo → PatNo

ProvNo
1. ProvNo → ProvSpecialty
2. ProvNo → ProvEmail

VisitNo, ProvNo
1. VisitNo, ProvNo → Diagnosis

ProvEmail
1. ProvEmail → ProvNo

Define Tables:

Patient(PatNo, PatAge, PatZip9)

PatZip(PatZip9, PatCity)

Visit(VisitNo, VisitDate, PatNo)

Provisioner(ProvNo, ProvSpeciality, ProvEmail)

Diagnosis(VisitNo, ProvNo)

ProvEmail(ProvEmail, ProvNo)

Merging Tables:

Patient(PatNo, PatNo, PatZip9)

    FOREIGN KEY (PatZip) REFERENCES CityZip(CityZip)

CityZip(PatZip9, PatCity)

Visit(VisitNo, VisitDate, PatNo)

    FOREIGN KEY (PatNo) REFERENCES Patient(PatNo)

Provisioner(ProvNo, ProvSpeciality, ProvEmail)

    UNIQUE(ProvEmail)

Diagnosis(VisitNo, ProvNo)

    FOREIGN KEY (VisitNo) REFERENCES Visit(VisitNo)

    FOREIGN KEY (ProvNo) REFERENCES Provisioner(ProvNo)