

Ans 3:

Arranging in groups:

PatNo → PatAge, PatZip9

PatZip9 → PatCity

ProvNo → ProvSpecialty

VisitNo → PatNo, VisitDate

ProvEmail → ProvNo

VisitNo, DocNo → Diagnosis

Creating Tables:

Patient (PatNo, PatAge, PatZip9)

FOREIGN KEY (PatZip9) REFERENCES ZipCode

ZipCode(PatZip9, PatCity)

Provider(ProvNo, ProvSpecialty, ProvEmail)

ProviderEmail(ProvEmail, ProvNo)

FOREIGN KEY (ProvNo) REFERENCES Provider

Visit(VisitNo, VisitDate, PatNo)

FOREIGN KEY (PatNo) REFERENCES Patient

DiagnosisTbl(VisitNo, ProvNo, Diagnosis)

FOREIGN KEY (VisitNo) REFERENCES Visit

FOREIGN KEY (ProvNo) REFERENCES Provider

Merging Provide and ProviderEmail:

Provider(ProvNo, ProvSpecialty, ProvEmail)

UNIQUE ProvEmail