

Ans 1:

1. Insertion anomaly: Visits, patients and providers cannot be entered independently. *VisitNo* and *ProvNo* must be entered for each insertion because they are the primary key.
2. Update anomaly: Multiple rows are to be changed to update patient zipcode, visit date, patient city, provider specialty, provider email, and patient age. i.e to update the age of patient P1(say), two rows must be updated separately.
3. Deletion anomaly: Deleting a row will lead to deletion of a patient, visit, provider, and zip code if any of these entities are associated with just a single diagnosis (combination of visit and provider). i.e, if row 3 is deleted, details about patient P3 and visit V93030 are lost with it.