Table

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **VisitNo** | **VisitDate** | **PatNo** | **PatAge** | **PatCity** | **PatZip** | **ProvNo** | **ProvSpecialty** | **Diagnosis** |
| V10021 | 2/13/2015 | P1 | 36 | Denver | 80217 | D1 | internist | Ear Infection |
| V10021 | 2/13/2015 | P1 | 36 | Denver | 80217 | D2 | NURSE PractiTIoner | INFLUENZA |
| V93030 | 2/20/2015 | P3 | 17 | Englewood | 80113 | D2 | NURSE PRACTITIONER | pregnancy |
| V82110 | 2/18/2015 | P2 | 60 | Boulder | 85932 | D3 | cardiologist | murmur |
|  |  |  |  |  |  |  |  |  |

**Insertion Anomaly:** Since (VsitNo,ProvNo) together define a primary key, to insert a row we need to know the both of them.

**Updating Anomaly:** If we want to change the ProvSprciality of D2 to something else, we have to change 2 rows

**Deletion Anomaly**: If we delete the row where ProvNo = D2, we will lose the patient information of V10021.