**HW02 – Shimon Desta 203670286**

1. **Table Normalization:**

**1nf**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DoctorID | DoctorName | PatientID | Patient  First  Name | Patient  last  Name | Month | Day | Hour | Room |
| 8846 | Dr. Cannon | DA3467 | Del | Andrus | Feb | 2 | 8:00 | 414 |
| 8846 | Dr. Cannon | KM2235 | Ken | Moore | Feb | 2 | 8:30 | 414 |
| 5032 | Dr. Khoury | KM2235 | Ken | Moore | Feb | 2 | 8:00 | 413 |
| 5032 | Dr. Khoury | JD6729 | Jill | Drake | Feb | 5 | 9:00 | 412 |
| 1298 | Dr. Hauser | KE6662 | Kris | Eddy | Feb | 5 | 9:00 | 413 |

**2nf:**

|  |  |  |
| --- | --- | --- |
| PatientID | Patient  First Name | Patient  Last Name |
| DA3467 | Del | Andrus |
| KM2235 | Ken | Moore |
| KM2235 | Ken | Moore |
| JD6729 | Jill | Drake |
| KE6662 | Kris | Eddy |

|  |  |
| --- | --- |
| DoctorID | DoctorName |
| 8846 | Dr. Cannon |
| 8846 | Dr. Cannon |
| 5032 | Dr. Khoury |
| 5032 | Dr. Khoury |
| 1298 | Dr. Hauser |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DoctorID | PatientID | Month | Day | Hour | Room |
| 8846 | DA3467 | Feb | 2 | 8:00 | 414 |
| 8846 | KM2235 | Feb | 2 | 8:30 | 414 |
| 5032 | KM2235 | Feb | 2 | 8:00 | 413 |
| 5032 | JD6729 | Feb | 5 | 9:00 | 412 |
| 1298 | KE6662 | Feb | 5 | 9:00 | 413 |

**3nf:**

That there is no attribute that depends on another attribute and therefore there is no need for tables

