**Database Normalization**

* **1st Normal Form :-** All of our attributes are single value, there are all atomic, so data base is in 1st normal form.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| User Id | User Name | Password | User Type | Patient Id | Patient name | Patient phone Number | address | Patient health problem | Doctor Id |
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**2nd Normal Form :-**

* A table is said to be in 2NF if both the following conditions hold:
* Table is in 1NF (First normal form)

Here functional decencies are: -

User Id ---> User name, Password, User Type

Patient Id ---> Patient name, patient phone number, address, patient health problem, Doctor Id

|  |  |  |  |
| --- | --- | --- | --- |
| User Id | User Name | User Name | User Type |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Patient Id | Patient name | Patient phone Number | address | Patient health problem | Doctor Id |
|  |  |  |  |  |  |
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|  |  |  |  |  |  |

* **3rd normal Form :-** Actually in 3 normal form we have to remove Transitive functional dependency and it should follow 2nf. According to our functional dependencies there is no 3nf in our table.



