**[lab-normalization-third-normal-form](https://github.com/Chaitra6/lab-normalization-third-normal-form) ID :** FSJ0820A003

**Progression 1:**

1. Check whether the given table is in First Normal form (1NF).

Yes, the table is in 1NF as,

1. There are only Single Valued Attributes.
2. Attribute Domain does not change.
3. There is a Unique name for every Attribute/Column.
4. The order in which data is stored, does not matter.
5. If yes, then check whether the table is in 2nd Normal form.

Yes

**Progression 2:**

Convert the table to 3rd Normal form.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| User\_ID | U\_email | Fname | Lname | Zip |
| MA12 | [alex@ymail.com](mailto:ALEX@YMAIL.COM) | Alex | Jones | 75001 |
| PO45 | [emma.john@gmail.com](mailto:emma.john@gmail.com) | Emma | Stone | 10008 |
| LA33 | [victoria@ymail.com](mailto:victoria@ymail.com) | Victoria | Aurora | 34000 |
| CH99 | [joe.1997@hotmail.com](mailto:joe.1997@hotmail.com) | Joe | Johnson | 90201 |
| DA74 | diany01@live.com | Dany | William | 32006 |

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| --- | --- | --- |
| City | State | Zip |
| Houston | Texas | 75001 |
| Albany | New York | 10008 |
| Istanbul | Turkey | 34000 |
| Los Angeles | California | 90201 |
| Miami | Florida | 32006 |