

1NF Examples

Condition: Should not contain Multivalued attribute.
Each attribute should have atomic value.

Example:

Consider Student relation as follows,

Sid	Sname	Phoneno
1	Harsh	9920297878
		9819740847
2	Raj	8850140154
3	Diya	8454987816
		8080484948
4	Kunj	8983142581

Above relation is not in 1NF.

Converted relation in 1NF is,

Sid	Sname	Phoneno
1	Harsh	9920297878
1	Harsh	9819740847
2	Raj	8850140154
3	Diya	8454987816
3	Diya	8080484948
4	Kunj	8983142581

Note: When you convert ER diagram into Relational Schema, its in 1NF.

Divide the table into 2 tables.

Student:

Sid (PK)	Sname
1	Harsh
2	Raj
3	Diya
4	Kunj

Student_ph:

Sid (FK)	Phoneno
1	9920297878
1	9819740847
2	8850140154
3	8454987816
3	8080484948
4	8983142581

