

Unit - 3

Cont...

Normalisation Example - 1

Dept_Name	D_No	D_Mgr_SSN	Dept_Location
Research	5	501	Banglore, Kolkota
Administration	4	401	Delhi, Mumbai
Sales	1	101	Ahmedabad, Banglore, Delhi

Example - 2

SSN	Proj_No	Emp_Hours	Emp_Name	Proj_Name	Proj_Loc
101	P1	20	Ankit Shah	Renovation	Bopal
101	P2	50	Ankit Shah	Construction	Ghuma
102	P2	70	Ankit Shah	Construction	Bopal
103	P2	40	Bhumi Patel	Construction	Sarkhej
103	P3	30	Bhumi Patel	Designing	Maninagar

Example - 3

Property_ID	City	Plot_No	Area	Price
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Functional Dependencies are given as below:

FD1: $\text{Property_ID} \rightarrow \{\text{City}, \text{Plot_No}, \text{Area}, \text{Price}\}$

FD2: $\{\text{City}, \text{Plot_No}\} \rightarrow \{\text{Property_ID}, \text{Area}, \text{Price}\}$

FD3: $\text{Area} \rightarrow \text{Price}$

FD4: $\text{Area} \rightarrow \text{City}$ (Consider this special condition, FD just for BCNF)