Normalization

Too much of Duplicate Data

Consumes more space in DB

Solution for this problem

Organizing the Data efficiently

How

Normalization

What is Normalization

What is Normalization

1. Eliminating Redundant data

2. Ensuring Data Dependencies

1. Eliminating Redundant data

Avoiding Duplicate Data

2. Ensuring Data Dependencies

Keeping or storing only related data

Why I need to do Normalization

1. Efficient Storage (No duplicate Data)

2. Data integrity   (Creating constraints)

3. Scalability

We are using third normal form

And 2 Dimensional tables

Performing Normalization for Patient

Patientno	101	102	103	104
Patientname	Sachin	Viru	Patel	Patel
Patientmobile	00001	00002	00003	00004
Attender	Friend	Mother	Father	Friend
Doctorid	10	20	10	10
Wardno	1001	1002	1003	1007
Medid	m1	m2	m3	m4

Doctor

Docid	Name	Mobile	Specialization
10	Kumar	99999	EYE
20	Raja	77777	Heart
30	Priya	55555	Children

Medicine

Mid	Name	Price
101	XYZ	10
201	ABC	45
301	PQR	100