

1. customer table

customer_id	username	password	name	email	mobile_no	role
1	alice123	pass@123	Alice Khan	alice@example.com	03001234567	customer
2	bob456	bob@secure	Bob Ahmed	bob@example.com	03012345678	customer
3	admin	admin123	Ahad	ahad@gmail.com	03306359272	admin

2. customerorder table

order_id	customer_id	cake_type	size	quantity	price	rating	feedback
101	1	Chocolate Fudge	small	1	700	5	Delicious !
102	2	Vanilla Delight	medium	2	1500	4	Sweet and fresh

3. customerdeliveryadress table

order_id	house_no	street_no	city	date	day	time
101	H12	Street 5	Lahore	2025-05-20	Tuesday	2:00
102	B23	Street 9	Karachi	2025-05-21	Wednesday	4:00

4. customerpayment table

order_id	mobile_no	payment_type	payment_status
101	03001234567	Easypaisa	Paid
102	03012345678	Cash on Delivery	Pending

5. adminorder table

order_id	customer_id	customer_name	order_status
1	1	Alice Khan	Dispatched
2	2	Bob Ahmed	In Progress

6. deliverypersonal table

personal_id	personal_name	order_id	email	mobile_no	personal_status
1	Ali Raza	1	ali.raza@delivery.com	03451234567	Delivered
2	Sara Yousuf	2	sara@delivery.com	03551234567	Pending

7. cake table

cake_flavor	size	price
Chocolate Fudge	small	700
Vanilla Delight	medium	1500
Red Velvet	large	2100

7. normalization

Table Name	1NF	2NF	3NF	BCNF	4NF	5NF
customer	✓	✓	✓	✓	✓	✓
customerorder	✓	✓	✗	✓	✓	✓
customerdeliveryadress	✓	✓	✗	✓	✓	✓
customerpayment	✓	✓	✓	✓	✓	✓
adminorder	✓	✗	✓	✓	✓	✓
deliverypersonal	✓	✓	✓	✓	✗	✓
cake	✓	✓	✓	✓	✓	✓

✓ = Normal form satisfied

✗ = Normal form not necessary or not satisfied