

Products:-

ID	Name	Price	Category	Description	IMG	rackid
141	Shirt	500	Clothing	White shirt	HTTP	1
102	Shoes	1000	Clothing	black	HTTP	1
121	Greyshoes	1500	Clothing	brown	HTTP	1
142	Watch	1000	Clothing	Good	HTTP	1.

Admin:-

Fname	Lname	id	email	Pass
Ahmed	Ali	121	Muhammad	123
Ali	Imtiaz	123	Abdul	124
Abdullah	Faisal	125	Faisal@	127

Customer:

Fname	Iname	id	email	Pass	wallet	Address	msg
Ahmed	Bilal	123	M@	123	100	789 A, Lahore	Hello
Chaudhary	Dinner	124	B@	129	200	897, Multan	Hello
Ello	Fisu	125	C@	278	300	987 Multan	Hello

Vendor:

Fname	Iname	id	email	Pass	Address
Allu	Arjun	1	A@	125	989 Lahore
Kumar	Bhaij	2	K@	127	978 Lahore
Mustafa	Rizwan	3	MR@	128	987 Multan

~~Admin products~~ Admin cart :-

Cartid	productid	quantity	vendorid	adminid
1	124	2	129	1234
2	127	3	378	279
3	128	4	497	976

admin products:-

Pid(F)	Quantity
141	10
102	20
142	30

Vendor products:-

Pid(F)	Quantity	Vid(F)
141	10	1
102	20	2
142	30	3

Customer cart:-

Cart-id	id(F)	productid(F)	quantity
1	123	141	10
2	124	102	10
3	125	142	20

(2)

Sales:

order.no	customerid(F)	productid(F)	Perunitprice	quantity	date
1	123	121	10	2	13-2-23
1	123	102	20	2	13-2-23
1	123	141	10	4	13-2-23
2	124	142	20	6	14-2-23
2	124	102	20	7	14-2-23

Purchase:

purchaseno	Vendorid(F)	productid(F)	costprice	Quantity	date
1	1	102	10	2	13-2-23
1	1	142	10	1	13-2-23
1	1	121	20	2	13-2-23
2	2	142	20	1	5-3-23

Rack:

Rackid	Quantity
1	4
2	0

(3)

1NF:-

Products:- already in 1NF

ID	Name	Price	category	Description	IMG	rackid
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Admin:-

id	Fname	Iname	email	Pass
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Customer:

id	Fname	Iname	email	pass	wallet	address	msg
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Vendor:-

id	Fname	Iname.	email	Pass	address
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admin cart:-

Cartid	productid	quantity	vendorid	adminid
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admin products:-

Pid	Quantity
-----	----------

Vendor products:

Pid	Quantity	vid
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Customer cart:

Cartid	id	Productid	quantity
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Rack:-

rackid	Quantity
--------	----------

Purchase:-

Purchaseno	Vendorid
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Purchase 2:-

Purchaseno	productid	costprice	quantity	date
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Sales:-

Orderno	customerid
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Sales2:-

Orderno	productid	perunitprice	Quantity	date
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(4)

2NF:-

Products:- Primary key (id)

ID	Name	price	category	Description	Img	rackid
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Admin:- Primary key (id)

id	fname	lname	email	Pass
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Customer:- Primary key (id)

id	fname	lname	email	pass	wallet	address	msg
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Vendor:- Primary key (id)

id	fname	lname	email	pass	address
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admin cart:- Primary key (cartid)

cart-id	productid	quantity	vendorid	adminid
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admin products:- Primary key (Pid)

Pid	Quantity
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Vendor products: Primary key (vid, pid)

Pid	Quantity	vid
-----	----------	-----

Customercart: Primary key (cart-id)

Cartid	id	productid	Quantity
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Rack: Primary (rackid)

Rackid	Quantity
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Purchase 1: Primary key (PurchaseNo)

PurchaseNo	VendorId
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Purchase 2:- Primary key (productid)

Productid	costprice
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Purchase 3:- Primary (PurchaseNo, Productid)

PurchaseNo	productid	Quantity	Date
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Sales 1:- Primary (orderno)

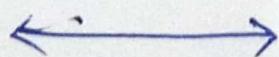
OrderNo	CustomerID
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Sales 2: Primary (productid)

Productid	perunitprice
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Sales 3 Primary (orderno, productid)

OrderNo	productid	Quantity	Date
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3NF:-

Products 1:- Primary (id)

ID	name	price	descrip	img	category
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Products 2:-

Category	rackid
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Primary key (rackid)

Admin 1 :-

Primary key (id)

id	email
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Admin 2 :-

Primary (email)

email	fname	lname	Pass
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Admin 3 :-

Primary (Pass)

Pass	fname	lname
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Customer 1 :-

Primary (id)

id	email
----	-------

Customer 2:

email	Address
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Primary (email)

Customer 3:

Primary (address)

address	pass
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Customer 4:

Primary (pass)

Pass	Fname	Lname	wallet	msg
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Vendor1:

id	email
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Primary (id)

Vendor2:

email	address
-------	---------

Primary (email)

Vendor3:

address	Pass
---------	------

Primary (address)

Vendor4:

Pass	Fname	Lname
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Primary (Pass)

Admin cart: Primary (cartid)

Cart-id	productid	quantity	vendorid	adminid
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admin products :

Pid	Quantity
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Primary (pid)

Vendor products: Primary (pid, vid)

Pid	vid	Quantity
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Customer cart: Primary (cartid)

Cart-id	id	productid	Quantity
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⑥

Rack: Primary (rackid)

rackid	Quantity
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Purchase1: Primary (PurchaseNo)

PurchaseNo	VendorId
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Purchase2: Primary key (Productid)

Productid	CostPrice
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Purchase3: Primary (PurchaseNo, Productid)

PurchaseNo	Productid	Quantity	Date
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Sales1:- Primary (OrderNo)

OrderNo	Customerid
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Sales2: Primary (Productid)

Productid	PerUnitPrice
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Sales3: Primary (OrderNo, Productid)

OrderNo	Productid	Quantity	Date
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(F)

4NF:-

Product 1:

Primary (id)

ID	name	price	description	img	category
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Product 2:

Primary (rackid)

Category	rackid
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Admin 1:

Primary (id)

id	email
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Admin 2:

Primary (email)

email	Pass
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Admin 3:

Primary (Pass)

Pass	Fname	Lname
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Customer 1:

Primary (id)

id	email
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Customer 2:

Primary (email)

email	address
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Customer 3:

address	pass
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Primary (address, pass)

Customer 4: Primary (Pass)

Pass	fname	lname	wallet	msg
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Vendor 1: Primary (id)

id	email
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Vendor 2:

email	address
-------	---------

Primary (email)

Vendor 3:

address	pass
---------	------

Primary (address)

Vendor 4:

Pass	fname	lname
------	-------	-------

Primary (Pass)

Admin cart: Primary (cart-id)

Cartid	productid	quantity	vendorid	adminid
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admin products: Primary (pid)

Pid	Quantity
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Vendor products Primary (pid, vid)

Pid	Quantity	vid
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Customer Cart

⑧

Primary (contd)

Cartid	id	productid	Quantity
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rack

Primary key (rackid)

rackid	Quantity
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Purchase 1: Primary (purchaseno)

Purchaseno	vendorid
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Purchase 2: Primary (Productid)

Productid	costprice
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Purchase 3: Primary (purchaseno, Productid)

Purchaseno	Productid	Quantity	Date
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Sales 1: Primary (orderno)

orderno	Customerid
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Sales 2:

Primary (Productid)

Productid	Perunitprice
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Sales 3:

Primary (orderno , Productid)

orderno	Productid	Quantity	Date
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(9)

SNF:-

Products 1:-

Primary(id)

ID	Name
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Product 2:-

Primary(id)

ID	Price
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Product 3:-

Primary(id)

ID	Description
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Product 4:-

Primary(id)

ID	Img
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Product 5:-

Primary(id)

ID	category
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Product 6:- Primary(rackid)

Category	Rackid
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Admin 1:- Primary(rackid)

id	email
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Admin 2: Primary (email)

email	pass
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Admin3: Primary (Pass)

Pass	Fname
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Admin4: Primary (Pass)

Pass	Iname
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Customer1: Primary (id)

id	email
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Customer2: Primary (email)

email	address
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Customer3: Primary (address)

address	Pass
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Customer4: Primary (Pass)

Pass	Fname
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Customer5: Primary (Pass)

Pass	Iname
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Admin cart1:

① Primary (cartid)

Cart-id	productid
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Admin2:
Cart 2:

Primary (cartid, productid)

Cartid	productid	quantity
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Admin3:
Cart 3:

Primary (cart-id)

Cart-id	Vendorid
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Admin cart 4:

Primary (cart-id)

Cart-id	adminid
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Admin products: Primary (pid)

Pid	Quantity
-----	----------

Vendor products: Primary (pid, vid)

Pid	vid	Quantity
-----	-----	----------

Customer cart1: Primary (cartid)

Cart-id	id
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Customer cart2: Primary (cartid)

Cartid	productid
--------	-----------

Customer 6: Primary (Pass)

Pass	wallet
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Customer 7: Primary (Pass)

Pass	msg
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Vendor 1: Primary (id)

id	email
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Vendor 2: Primary (email)

email	address
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Vendor 3: Primary (address)

address	pass
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Vendor 4: Primary (pan)

Pass	fname
------	-------

Vendor 5:

Pass	lname
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Customer cart 3: Primary (cartid, productid)

Cartid	Productid	Quantity
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Rack: Primary (rackid)

Rackid	Quantity
--------	----------

Purchase1: Primary (PurchaseNo)

PurchaseNo	Vendorid
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Purchase2: Primary (productid)

Productid	costprice
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Purchase3: Primary (PurchaseNo, Productid)

PurchaseNo	Productid	Quantity
------------	-----------	----------

Purchase4: Primary (PurchaseNo, Productid)

PurchaseNo	Productid	Date
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Sales1: Primary (orderNo)

OrderNo	Customerid
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Sales2: Primary (productid)

Productid	perunitPrice
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Sales 3: Primary (orderno, productid)

orderno	productid	Quantity
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Sales 4: Primary (orderno, productid)

orderno	productid	date
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