

# NORMALIZATION

**TABLE NO.1: USER DETAILS**

PRIMARY KEY
FOREIGN KEY

ID	NAME	CNIC	CONTACT_NO	CITY
1	Azka	42201-4568975-3	0231-4569845	Karachi
2	Maaz	42201-0469638-3	0344-2713545	Karachi
3	Shahrukh	42101-1236548-8	0300-2587465	Lahore
4	Shamekh	42101-1254564-4	0324-7954566	Karachi
5	Amna	42101-2348665-4	0300-2147859	Karachi

**Already Normalized**

**TABLE NO.2: ORDER**

UNF:

ORDER_ID	USER_ID	GLASS TYPE	SHAPE	THICKNESS	LENGTH	WIDTH	HEIGHT	QUANTITY	AMOUNT	DATE
1	1	Tempered Glass	Pentagon	12mm	20	40	25	3	12500	11-11-2017
2	2	Ceremic Glass	Diamond	5/16" (8mm)	40	40	31	3	36153.0	12-12-2017
3	3	Annealed Glass	Rounded Corners	3/16" (3mm)	6	8	7	2	9828.0	02-11-2017
4	4	Mirror Glass	Diamond	5/16" (8mm)	8	10	16	1	7137.0	03-11-2017
5	5	Mirror Glass	Pentagon	3/16" (3mm)	7	13	2	5	23985.0	05-12-2017

1NF:

ORDER_ID	USER_ID	GLASS TYPE	SHAPE	THICKNESS	LENGTH	WIDTH	HEIGHT	QUANTITY	AMOUNT	DATE
1	1	Tempered Glass	Pentagon	12mm	20	40	25	3	12500	11-11-2017
2	2	Ceremic Glass	Diamond	5/16" (8mm)	40	40	31	3	36153.0	12-12-2017
3	3	Annealed Glass	Rounded Corners	3/16" (3mm)	6	8	7	2	9828.0	02-11-2017
4	4	Mirror Glass	Diamond	5/16" (8mm)	8	10	16	1	7137.0	03-11-2017
5	5	Mirror Glass	Pentagon	3/16" (3mm)	7	13	2	5	23985.0	05-12-2017

2NF:

ORDER_ID	USER_ID	GLASS TYPE	SHAPE	THICKNESS	LENGTH	WIDTH	HEIGHT	QUANTITY	AMOUNT	DATE
1	1	Tempered Glass	Pentagon	12mm	20	jm,k jm	25	3	12500	11-11-2017
2	2	Ceremic Glass	Diamond	5/16" (8mm)	40	40	31	3	36153.0	12-12-2017
3	3	Annealed Glass	Rounded Corners	3/16" (3mm)	6	8	7	2	9828.0	02-11-2017
4	4	Mirror Glass	Diamond	5/16" (8mm)	8	10	16	1	7137.0	03-11-2017
5	5	Mirror Glass	Pentagon	3/16" (3mm)	7	13	2	5	23985.0	05-12-2017

3NF:

ORDER				
ORDER_ID	USER_ID	GLASS TYPE	QUANTITY	DATE
1	1	Tempered Glass	3	11-11-2017
2	2	Ceremic Glass	3	12-12-2017
3	3	Annealed Glass	2	02-11-2017
4	4	Mirror Glass	1	03-11-2017
5	5	Mirror Glass	5	05-12-2017

PRICE	
QUANTITY	AMOUNT
3	12500
3	36153.0
2	9828.0
1	7137.0
5	23985.0

GLASS_DETAILS					
GLASS TYPE	SHAPE	THICKNESS	LENGTH	WIDTH	HEIGHT
Tempered Glass	Pentagon	12mm	20	40	25
Ceremic Glass	Diamond	5/16" (8mm)	40	40	31
Annealed Glass	Rounded Corners	3/16" (3mm)	6	8	7
Mirror Glass	Diamond	5/16" (8mm)	8	10	16
Mirror Glass	Pentagon	3/16" (3mm)	7	13	2

**TABLE NO.3: VENDOR**UNF:

VENDOR_ID	NAME	CONTACT NUMBER	ADDRESS	PURCHSING DATE	GLASS MATERIAL	QUANTITY	AMOUNT/GLASS	TOTAL AMOUNT
1	Pakistan Glass Works	0335-1234563	Abc	13-Nov-2017	Tempered Glass	50	1400	70000
2	Pak Glassified	0312-9826454	Xyz	02-Feb-2017	Mirror Glass	70	500	35000
3	Glass Work	0332-1725935	Def	28-July-2017	Annealed Glass	110	800	88000
4	Ahmad Glass Industries	0300-1927364	Ghi	11-Nov-201	Ceramic Glass	80	1200	96000
5	Lahore Glass Company	0321-2961036	Jkl	25-Jun-2017	Tempered Glass	100	1400	140000

1NF:

VENDOR_ID	NAME	CONTACT NUMBER	ADDRESS	PURCHSING DATE	GLASS MATERIAL	QUANTITY	AMOUNT/GLASS	TOTAL AMOUNT
1	Pakistan Glass Works	0335-1234563	Abc	13-Nov-2017	Tempered Glass	50	1400	70000
2	Pak Glassified	0312-9826454	Xyz	02-Feb-2017	Mirror Glass	70	500	35000
3	Glass Work	0332-1725935	Def	28-July-2017	Annealed Glass	110	800	88000
4	Ahmad Glass Industries	0300-1927364	Ghi	11-Nov-201	Ceramic Glass	80	1200	96000
5	Lahore Glass Company	0321-2961036	Jkl	25-Jun-2017	Tempered Glass	100	1400	140000

2NF:

VENDOR DETAILS								
VENDOR_ID	NAME	CONTACT NUMBER	ADDRESS	PURCHASING DATE	GLASS MATERIAL	QUANTITY	AMOUNT/GLASS	TOTAL AMOUNT
1	Pakistan Glass Works	0335-1234563	Abc	13-Nov-2017	Annealed Glass	50	1400	70000
2	Pak Glassified	0312-9826454	Xyz	02-Feb-2017	Mirror Glass	70	500	35000
3	Glass Work	0332-1725935	Def	28-July-2017	Annealed Glass	110	800	88000
4	Ahmad Glass Industries	0300-1927364	Ghi	11-Nov-201	Ceramic Glass	80	1200	96000
5	Lahore Glass Company	0321-2961036	Jkl	25-Jun-2017	Tempered Glass	100	1400	140000

PURCHASING DETAIL
PURCHASING DATE
13-Nov-2017
02-Feb-2017
28-July-2017
11-Nov-201
25-Jun-2017

3NF:

VENDOR_DETAILS			
VENDOR_ID	NAME	CONTACT NUMBER	ADDRESS
1	Pakistan Glass Works	0335-1234563	Abc
2	Pak Glassified	0312-9826454	Xyz
3	Glass Work	0332-1725935	Def
4	Ahmad Glass Industries	0300-1927364	Ghi
5	Lahore Glass Company	0321-2961036	Jkl

PURCHASING DETAIL
PURCHASING DATE
13-Nov-2017
02-Feb-2017
28-July-2017
11-Nov-201
25-Jun-2017

GLASS_DETAILS	
GLASS MATERIAL	QUANTITY
Tempered Glass	50
Mirror Glass	70
Annealed Glass	110
Ceramic Glass	80
Tempered Glass	100

MAIN		
VENDOR_ID	PURCHSING DATE	GLASS MATERIAL
1	13-Nov-2017	Annealed Glass
2	02-Feb-2017	Mirror Glass
3	28-July-2017	Annealed Glass
4	11-Nov-201	Ceramic Glass
5	25-Jun-2017	Tempered Glass

PRICE		
QUANTITY	AMOUNT/GLASS	TOTAL AMOUNT
50	1400	70000
70	500	35000
110	800	88000
80	1200	96000
100	1400	140000

**TABLE NO.4: LOGIN**

ADMIN_ID	PASSWORD
1	admin1234
2	admin12345
3	admin123456
4	admin1234567

**Already Normalized**