

# Lab 10 – Normalization

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## Lab 10 Submission:

**For the following User View, determine the 1, 2 and 3NF and hand in this page to your instructor. The UNF relation has been provided.**

### Premiere Corporation Order Detail Report

Order Number	Order Date	Cust Number	Cust Last Name	Part Number	Part Desc	Qty Ordered	Quoted Price
12489	2016-09-02 124	124	Adams	AX12	Iron	11	14.95
12491	2016-09-02 311	311	Charles	BT04	GasGrill	3	440.00
				BZ66	Washer	1	399.99
				CX11	MiniBlender	1	11.98
12494	2016-09-04	315	Daniels	CB03	Bike	4	279.96
12495	2016-09-04	256	Samuels	CX11	MiniBlender	2	23.96
12498	2016-09-05	522	Nelson	AZ52	Dartboard	2	12.96
				BA74	Basketbal	4	24.96
12500	2016-09-05	124	Adams	BT04	GasGrill	1	149.99
12504	2016-09-05	522	Nelson	CZ81	Treadmill	2	325.98

**UNF:**

**Order** [OrderNo, Orderdate, CustNo, CustLname, (PartNo, PartDesc, QtyOrd, Price)]

**1NF:**

**ORDERS**[OrderNo, PartNo, Orderdate, CustNo, CustLname, PartDesc, QtyOrd, Price]

**2NF:**

OrderDate is determined by OrderNo

**ORDERS**[OrderNo, OrderDate]

CustLName is determined by CustNo

**CUSTOMERS**[CustNo, CustLName]

**CUST\_ORDERS**[FK CustNo, FK OrderNo]

PartNo, PartDesc, QtyOrd and Price is determined by OrderNo.

**ORDER\_DETAILS**[ FK OrderNo, PartNo, PartDesc, QtyOrd, Price]

**3NF:**

OrderDate is determined by OrderNo

**ORDERS**[OrderNo, OrderDate]

CustLName is determined by CustNo

**CUSTOMERS**[CustNo, CustLName]

**CUST\_ORDERS**[FK CustNo, FK OrderNo]

QtyOrd and Price is determined by both OrderNo and PartNo [The price here is not the unit price hence it is determined by both]

**ORDER\_DETAILS**[ FK OrderNo, FK PartNo, QtyOrd, Price]

PartDesc is determined by PartNo

**PARTS**[PartNo, PartDesc]