# Lab 10 Submission (Only submit this page for your Lab 10):

**For the following User View (whose attribute names are non-standardised but has to be in standard format in the DBDL), 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 | Qnty Ordered | Quoted Price | Total |
|---|---|---|---|---|---|---|---|---|
| 12489 | 2016-09-02 124 | 124 | Adams | AX12 | Iron | 1 | 14.95 | 14.95 |
| 12491 | 2016-09-02 311 | 311 | Charles | AX12 | Iron | 11 | 14.95 | 164.45 |
| | | | | BT04 | Gas Grill | 1 | 149.99 | 149.99 |
| | | | | BZ66 | Washer | 2 | 399.99 | 799.98 |
| 12494 | 2016-09-04 | 315 | Daniels | CB03 | Bike | 4 | 279.99 | 1,119.96 |
| 12495 | 2016-09-04 | 256 | Samuels | CX11 | Blender | 2 | 22.95 | 45.90 |
| 12498 | 2016-09-05 | 522 | Nelson | AZ52 | Dartboard | 2 | 12.95 | 25.90 |
| | | | | BA74 | Basketball | 4 | 24.95 | 99.80 |
| 12500 | 2016-09-05 | 124 | Adams | BT04 | Gas Grill | 3 | 149.99 | 449.97 |
| 12504 | 2016-09-05 | 522 | Nelson | CZ81 | Treadmill | 2 | 325.99 | 651.98 |

**UNF:**
**Order** [OrderNo, OrderDate, CustNo, CustLname, (PartNo, PartDesc, QtyOrd, Price)]

**1NF:**
ORDERS [OrderNo, Orderdate, CustNo, CustLname]
PARS_ORDERED [OrderNo (FK), PartNo, PartDesc, QtyOrd, Price]

| ORDERS | | | |
|---|---|---|---|
| **Order Number** | **Order Date** | **Cust Number** | **Cust Last Name** |
| 12489 | 2016-09-02 124 | 124 | Adams |
| 12500 | 2016-09-05 | 124 | Adams |
| 12495 | 2016-09-04 | 256 | Samuels |
| 12491 | 2016-09-02 311 | 311 | Charles |
| 12494 | 2016-09-04 | 315 | Daniels |
| 12498 | 2016-09-05 | 522 | Nelson |
| 12504 | 2016-09-05 | 522 | Nelson |

| PARTS_ORDERED | | | | |
|---|---|---|---|---|
| **Order Number** | **Part Number** | **Part Desc** | **Qnty Ordered** | **Quoted Price** |
| 12489 | AX12 | Iron | 1 | 14.95 |
| 12491 | AX12 | Iron | 11 | 14.95 |
| 12498 | AZ52 | Dartboard | 2 | 12.95 |
| 12498 | BA74 | Basketball | 4 | 24.95 |
| 12500 | BT04 | Gas Grill | 3 | 149.99 |
| 12491 | BT04 | Gas Grill | 1 | 149.99 |
| 12491 | BZ66 | Washer | 2 | 399.99 |
| 12494 | CB03 | Bike | 4 | 279.99 |
| 12495 | CX11 | Blender | 2 | 22.95 |
| 12504 | CZ81 | Treadmill | 2 | 325.99 |

**2NF:**

ORDERS [OrderNo, Orderdate, CustNo, CustLname]
PARTS [PartNo, PartDesc, Price]
PARTS_ORDERED [FK OrderNo, FK PartNo, QtyOrd]

| ORDERS | | | |
|---|---|---|---|
| **Order Number** | **Order Date** | **Cust Number** | **Cust Last Name** |
| 12489 | 2016-09-02 124 | 124 | Adams |
| 12491 | 2016-09-02 311 | 311 | Charles |
| 12494 | 2016-09-04 | 315 | Daniels |
| 12495 | 2016-09-04 | 256 | Samuels |
| 12498 | 2016-09-05 | 522 | Nelson |
| 12500 | 2016-09-05 | 124 | Adams |
| 12504 | 2016-09-05 | 522 | Nelson |

| PARTS | | |
|---|---|---|
| **Part Number** | **Part Desc** | **Quoted Price** |
| AX12 | Iron | 14.95 |
| AZ52 | Dartboard | 12.95 |
| BA74 | Basketball | 24.95 |
| BT04 | Gas Grill | 149.99 |
| BZ66 | Washer | 399.99 |
| CB03 | Bike | 279.99 |
| CX11 | Blender | 22.95 |
| CZ81 | Treadmill | 325.99 |

| PARTS_ORDERED | | |
|---|---|---|
| **Order Number** | **Part Number** | **Qnty Ordered** |
| 12489 | AX12 | 1 |
| 12491 | AX12 | 11 |
| 12491 | BT04 | 1 |
| 12491 | BZ66 | 2 |
| 12494 | CB03 | 4 |
| 12495 | CX11 | 2 |
| 12498 | AZ52 | 2 |
| 12498 | BA74 | 4 |
| 12500 | BT04 | 3 |
| 12504 | CZ81 | 2 |

**3NF:**

ORDERS [OrderNo, Orderdate, FK CustNo]
PARTS [PartNo, PartDesc, Price]
PARTS_ORDERED [FK OrderNo, FK PartNo, QtyOrd]
CUSTOMERS [CustNo, CustLname]

| ORDERS | | |
|---|---|---|
| **Order Number** | **Order Date** | **Cust Number** |
| 12489 | 2016-09-02 124 | 124 |
| 12491 | 2016-09-02 311 | 311 |
| 12494 | 2016-09-04 | 315 |
| 12495 | 2016-09-04 | 256 |
| 12498 | 2016-09-05 | 522 |
| 12500 | 2016-09-05 | 124 |
| 12504 | 2016-09-05 | 522 |

| PARTS | | |
|---|---|---|
| **Part Number** | **Part Desc** | **Quoted Price** |
| AX12 | Iron | 14.95 |
| AZ52 | Dartboard | 12.95 |
| BA74 | Basketball | 24.95 |
| BT04 | Gas Grill | 149.99 |
| BZ66 | Washer | 399.99 |
| CB03 | Bike | 279.99 |
| CX11 | Blender | 22.95 |
| CZ81 | Treadmill | 325.99 |

| PARTS_ORDERED | | |
|---|---|---|
| **Order Number** | **Part Number** | **Qnty Ordered** |
| 12489 | AX12 | 1 |
| 12491 | AX12 | 11 |
| 12491 | BT04 | 1 |
| 12491 | BZ66 | 2 |
| 12494 | CB03 | 4 |
| 12495 | CX11 | 2 |
| 12498 | AZ52 | 2 |
| 12498 | BA74 | 4 |
| 12500 | BT04 | 3 |
| 12504 | CZ81 | 2 |

| CUSTOMERS | |
|---|---|
| **Cust Number** | **Cust Last Name** |
| 124 | Adams |
| 256 | Samuels |
| 311 | Charles |
| 315 | Daniels |
| 522 | Nelson |