**Lab 09 Submission:**

**Premiere Corporation Order Detail Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Order Number** | **Order Date** | **Cust number** | **Part Number** | **Part Desc** | **Number Ordered** | **Quoted Price** | **Total** |
| 12489 | 2016-09-02 | 124 | AX12 | Iron | 11 | 14.95 | 164.45 |
| 12491 | 2016-09-02 | 311 | BT04 | Gas Grill | 1 | 149.99 | 149.99 |
|  |  |  | BZ66 | Washer | 2 | 399.99 | 799.98 |
| 12494 | 2016-09-04 | 315 | CB03 | Bike | 4 | 279.99 | 1,119.96 |
| 12495 | 2016-09-04 | 256 | CX11 | Blender | 2 | 22.95 | 45.90 |
| 12498 | 2016-09-05 | 522 | AZ52 | Dartboard | 2 | 12.95 | 25.90 |
|  |  |  | BA74 | Basketball | 4 | 24.95 | 99.80 |
| 12500 | 2016-09-05 | 124 | BT04 | Gas Grill | 3 | 149.99 | 449.97 |
| 12504 | 2016-09-05 | 522 | CZ81 | Treadmill | 2 | 325.99 | 651.98 |

**UNF:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Order Number** | **Order Date** | **Cust number** | **Part Number** | **Part Desc** | **Number Ordered** | **Quoted Price** |
| 12489 | 2016-09-02 | 124 | AX12 | Iron | 11 | 14.95 |
| 12491 | 2016-09-02 | 311 | BT04 | Gas Grill | 1 | 149.99 |
| 12491 | 2016-09-02 | 311 | BZ66 | Washer | 2 | 399.99 |
| 12494 | 2016-09-04 | 315 | CB03 | Bike | 4 | 279.99 |
| 12495 | 2016-09-04 | 256 | CX11 | Blender | 2 | 22.95 |
| 12498 | 2016-09-05 | 522 | AZ52 | Dartboard | 2 | 12.95 |
| 12498 | 2016-09-05 | 522 | BA74 | Basketball | 4 | 24.95 |
| 12500 | 2016-09-05 | 124 | BT04 | Gas Grill | 3 | 149.99 |
| 12504 | 2016-09-05 | 522 | CZ81 | Treadmill | 2 | 325.99 |

**Assumption**: The column **Total** is an information derived from 2 other data columns, hence eliminating it.

ORDER\_DETAILS [**order\_no**, order\_date, cust\_no, (part\_no, part\_desc, quantity, price)]

## 1NF (Alternative 1):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Order Number** | **Part Number** | **Order Date** | **Cust number** | **Part Desc** | **Number Ordered** | **Quoted Price** |
| 12489 | AX12 | 2016-09-02 | 124 | Iron | 11 | 14.95 |
| 12491 | BT04 | 2016-09-02 | 311 | Gas Grill | 1 | 149.99 |
| 12491 | BZ66 | 2016-09-02 | 311 | Washer | 2 | 399.99 |
| 12494 | CB03 | 2016-09-04 | 315 | Bike | 4 | 279.99 |
| 12495 | CX11 | 2016-09-04 | 256 | Blender | 2 | 22.95 |
| 12498 | AZ52 | 2016-09-05 | 522 | Dartboard | 2 | 12.95 |
| 12498 | BA74 | 2016-09-05 | 522 | Basketball | 4 | 24.95 |
| 12500 | BT04 | 2016-09-05 | 124 | Gas Grill | 3 | 149.99 |
| 12504 | CZ81 | 2016-09-05 | 522 | Treadmill | 2 | 325.99 |

ORDER\_PARTS [**order\_no**, **part\_no**, order\_date, cust\_no, part\_desc, quantity, price]

## 1NF (Alternative 2):

|  |  |  |
| --- | --- | --- |
| **Order Number** | **Order Date** | **Cust number** |
| 12489 | 2016-09-02 | 124 |
| 12491 | 2016-09-02 | 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 |

ORDERS [**order\_no**, order\_date, cust\_no]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Order Number** | **Part Number** | **Part Desc** | **Number Ordered** | **Quoted Price** |
| 12489 | AX12 | Iron | 11 | 14.95 |
| 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 |
| 12498 | AZ52 | Dartboard | 2 | 12.95 |
| 12498 | BA74 | Basketball | 4 | 24.95 |
| 12500 | BT04 | Gas Grill | 3 | 149.99 |
| 12504 | CZ81 | Treadmill | 2 | 325.99 |

ORDER\_PARTS [**order\_no (FK),** **part\_no,** part\_desc, quantity, price]