**Products**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN** | ProductCode | Description | CategoryID |
| **PK/FK** | PK |  | FK1 |
| **NN/UK** |  | UK |  |
| **REFERENCE TABLE** |  |  | categories |
| **PK\_COLUMN** |  |  | CategoryID |
| **VALIDATION** |  |  |  |
| **DATATYPE** | NUMBER(10) | VARCHAR2(100) | NUMBER(10) |
| **SAMPLE** | 21135  38291  092834 | Blue pants  Yellow skirt  White shorts | 3  1  2 |

**Shipment**

|  |  |  |  |
| --- | --- | --- | --- |
| **COLUMN** | ShipmentID | ExpectedDate | OrderNumber |
| **PK/FK** | PK |  | FK1 |
| **NN/UK** |  |  |  |
| **REFERENCE TABLE** |  |  | ORDERS |
| **PK\_COLUMN** |  |  | OrderNumber |
| **VALIDATION** |  |  |  |
| **DATATYPE** | NUMBER(5) | DATE | NUMBER(5) |
| **SAMPLE** | 1009  1098  1290  1090 | 16-NOV-2020  08-MAY-2020  26-DEC-2020  26-DEC-2008 | 7839  7840  7782  7843 |

**Shipment Line**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COLUMN** | ShipmentID | InventoryNumber | QuantityShipped | DateReceived |
| **PK/FK** | PK, FK1 | PK, FK2 |  |  |
| **NN/UK** |  |  | NN |  |
| **REFERENCE TABLE** | SHIPMENT | INVENTORY |  |  |
| **PK\_COLUMN** | ShipmentID | InventoryNum |  |  |
| **VALIDATION** |  |  | >0 |  |
| **DATATYPE** | NUMBER(5) | NUMBER(10) | NUMBER(5) | DATE |
| **SAMPLE** | 1009  1098  1290  1090 | 123  127  138  128 | 1200  140  220  10 | 01-JAN-2021  03-JAN-2021  05-JAN-2009  05-MAY-2020 |

**Order Line**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COLUMN** | OrderNumber | ItemNumber | Quantity | InventoryNumber |
| **PK/FK** | PK, FK1 | PK |  | FK2 |
| **NN/UK** |  |  | NN | NN |
| **REFERENCE TABLE** | ORDERS |  |  | INVENTORY |
| **PK\_COLUMN** | OrderNumber |  |  | InventoryNumber |
| **VALIDATION** |  |  | >0 |  |
| **DATATYPE** | NUMBER(5) | NUMBER(5) | NUMBER(5) | NUMBER(10) |
| **SAMPLE** | 7839  7839  7782  7843 | 1  2  1  1 | 3  5  1  10 | 123  123  127  138 |

**Orders**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **COLUMN** | OrderNumber | OrderDate | OrderSourceID | CustomerNumber |
| **PK/FK** | PK |  | FK1 | FK2 |
| **NN/UK** |  | NN | NN | NN |
| **REFERENCE TABLE** |  |  | ORDERSOURCE | CUSTOMERS |
| **PK\_COLUMN** |  |  | OrderSourceID | CustomerNumber |
| **VALIDATION** |  |  |  |  |
| **DATATYPE** | NUMBER(5) | DATE | NUMBER(5) | NUMBER(10) |
| **SAMPLE** | 7839  7840  7782  7843 | '11-NOV-2020'  '01-MAY-2020'  '20-DEC-2020'  '01-MAY-2008' | 1  3  2  3 | 1000000000  1000000002  1000000001  1000000002 |

**Customers**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COLUMN** | CustomerNumber | FirstName | LastName | MiddleName | Dateofbirth | StreetAddress | City | Province | PostalCode | PhoneNumber | UserID | Password | EmailAddress |
| **PK/FK** | PK |  |  |  |  |  |  |  |  |  |  |  |  |
| **NN/UK** |  | NN | NN |  | NN | NN | NN | NN | NN | NN | UK1, NN | NN | UK2 |
| **REFERENCE TABLE** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PK\_COLUMN** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **VALIDATION** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **DATATYPE** | NUMBER(10) | VARCHAR2(30) | VARCHAR2(30) | VARCHAR2(30) | DATE | VARCHAR2(30) | VARCHAR2(30) | VARCHAR2(2) | VARCHAR2(7) | NUMBER(10) | VARCHAR2(30) | VARCHAR2(30) | VARCHAR2(30) |
| **SAMPLE** | 1000000000  1000000001  1000000002 | ‘John’  ‘Kelly’  ‘Reynold’ | ‘Snow’  ‘Smith’  ‘Han’ | ‘Sam’  ‘Joshua’  ‘John’ | ‘11-NOV-1993'  ‘03-MAR-1990'  ‘04-MAY-1999' | ‘350 Saint Paul East’  ‘120 Saint Paul East’  ‘250 Saint Paul East’ | ‘Toronto’  ‘Toronto’  ‘Toronto’ | ‘ON’  ‘ON’  ‘ON’ | ‘M1M 1M1’  ‘M3M 1M1’  ‘M1M 3M1’ | 1112223333  1112225553  1125432133 | ‘jSnow’  ‘kSmith’  ‘rHan’ | ‘password’  ‘pwrd1234’  ‘passwrd235’ | '[jSnow@gmail.com](mailto:jSnow@gmail.com)'  '[kSmith@gmail.com](mailto:kSmith@gmail.com)'  'rHan@gmail.com' |

**Payment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **COLUMN** | PAYMENTNUMBER | PAYDATE | PAYMENTMETHOD | TOTALAMOUNT | ORDERNUMBER |
| **PK/FK** | PK |  |  |  | FK |
| **NN/UK** |  | NN | NN | NN | NN |
| **REFERENCE TABLE** |  |  |  |  | ORDERS |
| **PK\_COLUMN** |  |  |  |  | OrderNumber |
| **VALIDATION** |  |  | 'CH', 'CC' | >=0 |  |
| **DATATYPE** | NUMBER(10) | DATE | VARCHAR2(13) | NUMBER(10,2) | NUMBER(5) |
| **SAMPLE** | 10  20  30  40 | '11-NOV-2020'  '01-MAY-2020'  '20-DEC-2020'  '20-DEC-2008' | 'CC'  'CH'  'CC'  'CH' | 118.90  1921.32  19.90  29.90 | 7839  7840  7782  7843 |

**Inventory**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **COLUMN** | InventoryNumber | ProductCode | ColorCode | InvSize | Price | QuantityOnHand |
| **PK/FK** | PK | FK1 | FK2 |  |  |  |
| **NN/UK** |  | NN,UK | NN,UK | UK | NN | NN |
| **REFERENCE TABLE** |  | products | color |  |  |  |
| **PK\_COLUMN** |  | ProductCode | ColorCode |  |  |  |
| **VALIDATION** |  |  |  | 'S', 'M', 'L', 'XL', 'XXL' | <= 9999.99 | >=0 |
| **DATATYPE** | NUMBER(10) | NUMBER(10) | NUMBER(10) | VARCHAR2(3) | NUMBER(6, 2) | NUMBER(5) |
| **SAMPLE** | 123  127  138  128 | 21135  38291  092834  21135 | 1  2  3  1 | 'S'  'M'  'XL' | 29.99  19.99  50.23  10.99 | 10  20  100  20 |