|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| RowID | VARCHAR(50 BYTE) | Primary Key | Fact Table Row ID |
| ProdID | VARCHAR(50 BYTE) | Foreign Key | ProdID from Product dimension table |
| CustomerID | VARCHAR(50 BYTE) | Foreign Key | CustomerID from Customer dimension table |
| CityID | VARCHAR(50 BYTE) | Foreign Key | City ID from City dimension table |
| OrderPriorityID | VARCHAR(50 BYTE) | Foreign Key | OrderPriorityID from OrderPriority dimension table |
| RegionID | VARCHAR(50 BYTE) | Foreign Key | RegionID from region dimension table |
| OrderDateID | VARCHAR(50 BYTE) | Foreign Key | OrderDateID from OrderDate dimension table |
| ShipModeID | VARCHAR(50 BYTE) | Foreign Key | ShipModeID from ShipMode dimension table |
| ShipDateID | VARCHAR(50 BYTE) | Foreign Key | ShipDateID from Shipdate dimension table |
| OrderID | VARCHAR(50 BYTE) | - | OrderID of products |
| Quantity | NUMBER(7,0) | - | Quantity of products |
| Sales | NUMBER(7,4) | - | Transaction amount |
| Discount | NUMBER(7,4) | - | Discount on products |
| ShippingCost | NUMBER(7,4) | - | Cost of shipping |
| Profit | NUMBER(7,4) | - | Benefits from selling |

FACT-TABLE:

Dimension Table: Customer

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| CustomerID | VARCHAR(50 BYTE) | Primary Key | Customer ID |
| CustomerName | VARCHAR(50 BYTE) | - | Name of the customer |
| SegmentID | VARCHAR(50 BYTE) | Foreign Key | Segment ID |

Dimension Table: City

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| CityID | VARCHAR(50 BYTE) | Primary Key | City ID |
| CityName | VARCHAR(50 BYTE) | - | City Name |
| StateId | VARCHAR(50 BYTE) | Foreign Key | State ID |

Dimension Table: Region

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| RegionID | VARCHAR(50 BYTE) | Primary Key | Region ID |
| RegionName | VARCHAR(50 BYTE) | - | Region Name |
| MarketID | VARCHAR(50 BYTE) | Foreign Key | Market ID |

Dimension Table: Product

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| ProdID | VARCHAR(50 BYTE) | Primary Key | Unique key defining unique product id and name |
| ProductID | VARCHAR(50 BYTE) | - | Product ID |
| ProductName | VARCHAR(50 BYTE) | - | Product Name |
| PurchasePriceUnit | NUMBER(7,4) | - | Price of purchasing a product |
| SellingPricePerUnit | NUMBER(7,4) | - | Price of selling a product |
| CategoryID | VARCHAR(50 BYTE) | Foreign Key | Category ID of a product |

Dimension Table: OrderPriority

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| OrderPriorityID | VARCHAR(50 BYTE) | Primary Key | Unique Order Priority ID |
| OrderPriority | VARCHAR(50 BYTE) | - | Priority of ordered product |

Dimension Table: OrderDate

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| OrderDateID | VARCHAR(50 BYTE) | Primary Key | Unique Order Date ID |
| OrderDate | DATE | - | Date of order |
| Year | NUMBER(7,0) | - | Year portion of order date |
| Quarter | NUMBER(7,0) | - | Quarter of the year |
| Month | VARCHAR(50 BYTE) | - | Month of order date |

Dimension Table: ShipMode

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| ShipModeID | VARCHAR(50 BYTE) | Primary Key | Unique Ship Mode ID |
| ShipMode | VARCHAR(50 BYTE) | - | Mode of shipping |

Dimension Table: ShipDate

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| ShipDateId | VARCHAR(50 BYTE) | Primary Key | Unique Ship Date ID |
| ShipDate | DATE | - | Date of shipping |
| Year | NUMBER(7,0) | - | Year portion of shipping date |
| Quarter | NUMBER(7,0) | - | Quarter of shipping date |
| Month | VARCHAR(50 BYTE) | - | Month of shipping date |

Dimension Table: Segment

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| SegmentID | VARCHAR(50 BYTE) | Primary Key | Unique Segment ID |
| Segment | VARCHAR(50 BYTE) | - | Name of the segment |

Dimension Table: State

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| StatetID | VARCHAR(50 BYTE) | Primary Key | Unique State ID |
| State | VARCHAR(50 BYTE) | - | Name of the state |
| CountryID | VARCHAR(50 BYTE) | Foreign Key | Country ID from country dimension table |

Dimension Table: Market

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| MarketID | VARCHAR(50 BYTE) | Primary Key | Unique Market ID |
| MarketName | VARCHAR(50 BYTE) | - | Name of the market |

Dimension Table: Category

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| CategoryID | VARCHAR(50 BYTE) | Primary Key | Unique Category ID |
| CategoryName | VARCHAR(50 BYTE) | - | Name of the category |
| SubCategoryID | VARCHAR(50 BYTE) | Foreign Key | SubCategory ID from SubCategory Dimension table |

Dimension Table: Country

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| CountrytID | VARCHAR(50 BYTE) | Primary Key | Unique Country ID |
| Country | VARCHAR(50 BYTE) | - | Name of the country |

Dimension Table: SubCategory

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | DATA TYPE | Constraints | Description |
| SubCategorytID | VARCHAR(50 BYTE) | Primary Key | Unique Sub-Category ID |
| SubCategory | VARCHAR(50 BYTE) | - | Name of the sub-category |