**Task 1 - Understanding the Data**

**/\* 1) Describe the data in hand in your own words. \*/**

**1. cust\_dimen : Details of all the customers**

**- cust\_dimen table contains the following columns:**

Customer\_Name (TEXT) : Name of the customer

Province (TEXT) : Province of the customer

Region (TEXT) : Region of the customer

Customer\_Segment (TEXT) : Segment of the customer

Cust\_id (TEXT) : Unique Customer ID

**2. market\_fact : Details of every order item sold**

**- market\_fact table contains the following columns:**

Ord\_id (TEXT) : Order ID of Product

Prod\_id (TEXT) : Prod ID of Respective Product

Ship\_id (TEXT) : Shipment ID Respective Product

Cust\_id (TEXT) : Customer ID Respective Product

Sales (DOUBLE) : Sales from the Item sold

Discount (DOUBLE) : Discount on the Item sold

Order\_Quantity (INT) : Order Quantity of the Item sold

Profit (DOUBLE) : Profit from the Item sold

Shipping\_Cost (DOUBLE) : Shipping Cost of the Item sold

Product\_Base\_Margin (DOUBLE) : Product Base Margin on the Item sold

**3. orders\_dimen: Details of every order placed**

**- order\_dimen table contains the following columns:**

Order\_ID (INT) : Order ID Respective Product

Order\_Date (TEXT) : Order Date Respective Product

Order\_Priority (TEXT) : Priority of the Order

Ord\_id (TEXT) : Order ID Alphanumeric

**4. prod\_dimen: Details of product category and sub category**

**- prod\_dimen table contains the following columns:**

Product\_Category (TEXT) : Product Category

Product\_Sub\_Category (TEXT) : Product Sub Category

Prod\_id (TEXT) : Unique Product ID

**5. shipping\_dimen: Details of shipping of orders**

**- shipping\_dimen table contains the following columns:**

Order\_ID (INT) : Order ID

Ship\_Mode (TEXT) : Shipping Mode

Ship\_Date (TEXT) : Shipping Date

Ship\_id (TEXT) : Unique Shipment ID

**/\* 2) Identify and list the Primary Keys and Foreign Keys for this dataset provided to you**

**(In case you don’t find either primary or foreign key, then specially mention this in your answer)\*/**

**1. cust\_dimen**

Primary Key : Cust\_id

Foreign Key : NA

**2. market\_fact**

Primary Key : NA

Foreign Key : Ord\_id, Prod\_id, Ship\_id, Cust\_id

**3. orders\_dimen**

Primary Key : Ord\_id

Foreign Key : NA

**4. prod\_dimen**

Primary Key : Prod\_id

Foreign Key : NA

**5. shipping\_dimen**

Primary Key : Ship\_id

Foreign Key : Order\_ID