**Task 1: Understanding The Data**

**1. Describe the data in hand in your own words.**

**A. 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

**B. 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

**C. 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

**D. 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

**E. 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).**

**A. cust\_dimen**

Primary Key: Cust\_id

Foreign Key: NA

**B. market\_fact**

Primary Key: NA

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

**C. orders\_dimen**

Primary Key: Ord\_id

Foreign Key: NA

**E. prod\_dimen**

Primary Key: Prod\_id

Foreign Key: NA

**F. shipping\_dimen**

Primary Key: Ship\_id

Foreign Key: Order\_ID