RAW_ORDER	RAW_CUSTOMER	RAW_PRODUCT		REFINED_ORDER	REFINED_CUSTOMER	REFINED_PRODUCT		SALES_MART		AGGREGATE_TABLES
Row count should match the source.	Row count should match the source.	Row count should match the source.		Row count should match the source.	Row count should match the source.	Row count should match the source.		Row count should match row count in order table.		Total_Profit across tables should match.
Primary keys & foreign keys shouldn't be NULL.	Primary keys & foreign keys shouldn't be NULL.	Primary keys & foreign keys shouldn't be NULL.		Profit field data should have data to 2 digits precision.	Data integrity should be maintained i.e Customer_Name & Country should be valid and not have unwanted spaces, numbers and special characters.	Data integrity should be maintained i.e Category & Sub-Category should be valid and not have unwanted spaces, numbers and special characters.		Since few product_id in order are not in product table , records in sales_mart with NULLS should be handled with 'NA' for string type, '0.00' for float type and '2099-01-01' for date type.		Profit should have only 2 precision digits.
Profit field should only be numeric.				Order_Date should be valid and in correct format 'YYYY-MM-DD'.	Should not have duplicates (PK : Customer_Id).	Should not have duplicates (PK: Product_Id).				Distinct keys should match their respective source tables in refined layer.
					Handle NULLS in Customer_Name & Country, if any.	Handle NULLS in Category & Sub-Category, if any.				

Test_Code for all above mentioned cases										
select count(*), 'raw_order_count' as table_name from finance_data.db_data.raw_order;	select count(*), 'raw_customer_count' as table_name from finance_data.db_data.raw_customer;	select count(*), 'raw_product_count' as table_name from finance_data.db_data.raw.product;		select count(*), 'refined_order_count' as table_name from finance_data.db_data.refined_order;	select count(*), 'refined_customer_count' as table_name from finance_data.db_data.refined_customer;	select count(*), 'refined_product_count' as table_name from finance_data.db_data.refined_product;		select count(*), 'sales_mart' as table_name from finance_data.db_data.sales_mart;		select sum(Total_Profit), 'vw_sales_by_customer' as view_name from finance_data.db_data.vw_sales_by_customer union select sum(Total_Profit), 'vw_sales_by_product_category' as view_name from finance_data.db_data.vw_sales_by_product_category union select sum(Total_Profit), 'vw_sales_by_sub_category' as view_name from finance_data.db_data.vw_sales_by_sub_category union select sum(Total_Profit), 'vw_sales_by_year' as view_name from finance_data.db_data.vw_sales_by_year;
select * from finance_data.db_data.raw_order where order_id null or customer_id is null or product_id is null;	select * from finance_data.db_data.raw_customer where customer_id is null;	select * from finance_data.db_data.raw_product where product_id is null;		select MAX(LENGTH(SUBSTRING_INDEX(profit, '.', -1))) as decimal_precision from finance_data.db_data.refined_order;	select * from finance_data.db_data.sales_mart where customer_name NOT REGEXP '^[a-zA-Z]+$';	select * from finance_data.db_data.refined_product where `Sub-Category` NOT REGEXP '^[a-zA-Z]+$';		select * from finance_data.db_data.sales_mart where customer_name NOT REGEXP '^[a-zA-Z]+$';		select MAX(LENGTH(SUBSTRING_INDEX(profit, '.', -1))) as decimal_precision from finance_data.db_data.sales_mart;
select MAX(LENGTH(SUBSTRING_INDEX(profit, '.', -1))) as decimal_precision from finance_data.db_data.sales_mart;	select Customer_ID from finance_data.db_data.raw_customer group by Customer_ID having count(*) > 1;	select Product_id from finance_data.db_data.raw_product group by Product_id having count(*) > 1;		SELECT order_date FROM finance_data.db_data.refined_order WHERE NOT REGEXP_LIKE(Order_Date, '^\d{4}-\d{2}-\d{2}$');	select Customer_ID from finance_data.db_data.refined_customer group by Customer_ID having count(*) > 1;	select Product_id from finance_data.db_data.refined_product group by Product_id having count(*) > 1;		select * from finance_data.db_data.sales_mart where `Sub-Category` NOT REGEXP '^[a-zA-Z]+$';		select distinct product_category from finance_data.db_data.vw_sales_by_product_category ;
						select * from finance_data.db_data.refined_product where Category NOT REGEXP '^[a-zA-Z]+$';		select * from finance_data.db_data.sales_mart where Product_Category NOT REGEXP '^[a-zA-Z]+$';		select distinct `Sub-Category` from finance_data.db_data.vw_sales_by_product_category ;
								select * from finance_data.db_data.sales_mart where product_category is NULL OR `Sub-Category` is NULL OR order_date is NULL;		select distinct Customer_Id, Customer_Name from finance_data.db_data.vw_sales_by_customer ;
										select distinct Year from finance_data.db_data.vw_sales_by_year ;