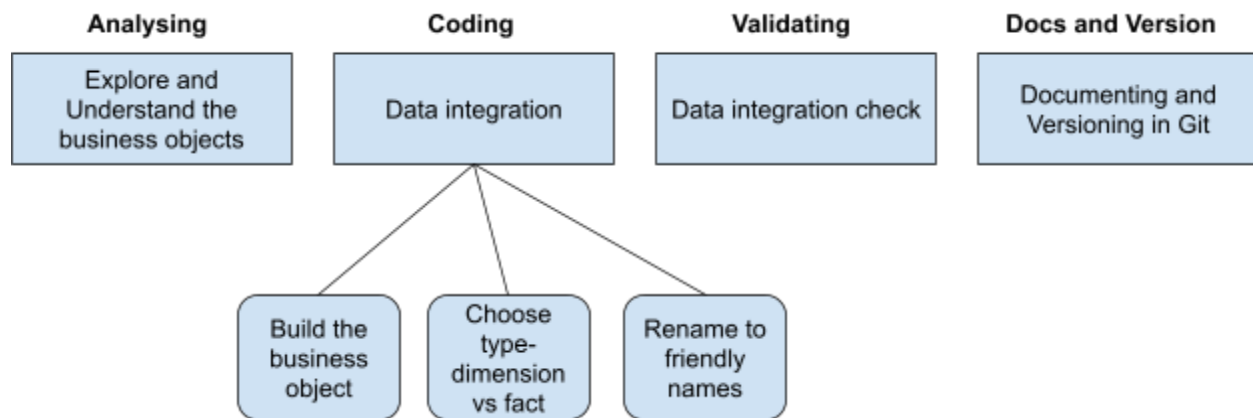# Building gold layer-

Script to create view for gold layer customers table-

```sql
CREATE OR REPLACE VIEW `datawarehouseproject-473210.CRM.Gold_customers` AS
SELECT
 ROW_NUMBER() OVER (ORDER BY cst_id) AS customer_key, -- Surrogate key
 ci.cst_id AS customer_id,
 ci.cst_key AS customer_number,
 ci.cst_firstname AS first_name,
 ci.cst_lastname AS last_name,
 la.string_field_1 AS country,
 ci.cst_marital_status AS marital_status,
 CASE
   WHEN ci.cst_gndr != 'n/a' THEN ci.cst_gndr
   ELSE COALESCE(ca.gen, 'n/a')
 END AS gender,
 ca.bdate AS birthdate,
 ci.cst_create_date AS create_date
FROM `datawarehouseproject-473210.CRM.silver_cst_info` ci
LEFT JOIN `datawarehouseproject-473210.ERP.silver_cust_az` ca
 ON ci.cst_key = ca.cid
LEFT JOIN `datawarehouseproject-473210.ERP.loc_a101` la
 ON ci.cst_key = la.string_field_0;
```

'Create view for gold layer product table-

```sql
CREATE OR REPLACE VIEW `datawarehouseproject-473210.CRM.PRD_gold` AS
SELECT
 ROW_NUMBER() OVER (ORDER BY pn.prd_start_dt, pn.prd_key) AS product_key, -- Surrogate key
 pn.prd_id AS product_id,
 pn.prd_key AS product_number,
 pn.prd_nm AS product_name,
 pn.cat_id AS category_id,
 pc.cat AS category,
 pc.subcat AS subcategory,
 pc.maintenance AS maintenance,
 pn.prd_cost AS cost,
 pn.prd_line AS product_line,
 pn.prd_start_dt AS start_date
FROM `datawarehouseproject-473210.CRM.silver_prd_info` pn
LEFT JOIN `datawarehouseproject-473210.ERP.silver_px_cat` pc
 ON pn.cat_id = pc.id
WHERE pn.prd_end_dt IS NULL;
```

Create view for gold layer sales table-

```sql
CREATE OR REPLACE VIEW `datawarehouseproject-473210.CRM.Gold_sales` AS
SELECT
 sd.sls_ord_num AS order_number,
 pr.product_key AS product_key,
 cu.customer_key AS customer_key,
 sd.sls_order_dt AS order_date,
 sd.sls_ship_dt AS shipping_date,
 sd.sls_due_dt AS due_date,
 sd.sls_sales AS sales_amount,
 sd.sls_quantity AS quantity,
 sd.sls_price AS price
FROM `datawarehouseproject-473210.CRM.silver_sales_info` sd
LEFT JOIN `datawarehouseproject-473210.CRM.PRD_gold` pr
 ON sd.sls_prd_key = pr.product_number
LEFT JOIN `datawarehouseproject-473210.CRM.Gold_customers` cu
 ON sd.sls_cust_id = cu.customer_id;
```