DATA NORMALIZATION

Step 1

SELECT prd_key FROM bronze.crm_prd_info:	**SELECT sls_prd_key FROM bronze.crm_sales_details:**	**SELECT sls_prd_key FROM bronze.erp_px_cat_g1v2:**
prd_key	sls_prd_key	id
CO-RF-FR-R92B-58	BK-R93R-62	AC_BR
CO-RF-FR-R92R-58	BK-M82S-44	AC_BS
AC-HE-HL-U509-R	BK-M82S-44	AC_BC
AC-HE-HL-U509-R	BK-R50B-62	AC_CL
AC-HE-HL-U509-R	BK-M82S-44	AC_FE
AC-HE-HL-U509	BK-R93R-44	AC_HE
AC-HE-HL-U509	BK-R93R-62	AC_HP
AC-HE-HL-U509	BK-M82B-48	AC_LI
BI-MB-BK-M82S-44	**BK-M82S-44**	**AC_LO**
CL-SO-SO-B909-L	BK-R93R-48	AC_PA

Step 2

SELECT prd_key	**SELECT prd_key**
FROM bronze.crm_prd_info	**FROM bronze.crm_prd_info**
WHERE prd_key like '%BK-M82S-44':	**WHERE prd_key like 'AC_LO%'**
prd_key	prd_key
BI-MB-BK-M82S-44	**AC-LO-LO-C100**

Step 3

Execution on the **silver.crm_prd_info** table	Execution on the **silver.crm_prd_info** table
SUBSTRING(**prd_key**, 7, **LEN**(**prd_key**)) AS **prd_key**	**REPLACE**(**SUBSTRING**(**prd_key**, 1, 5), '-', '_') AS **cat_id**

Customer Relationship Management

CRM

Enterprise Resource Planning

ERP

Current & History Product Infromation

crm_prd_info
prd_key
PRDOUCT

Product Categories

erp_px_cat_g1v2
id
PRDOUCT

Transactional Records about Sales & Orders

crm_sales_details
prd_key
cst_id
SALES

Customer Information

crm_cust_info
cst_id
cst_key
CUSTOMER

Extra Customer Information (Birthdate)

erp_cust_az12
cid
CUSTOMER

Location of Customers (Country)

erp_loc_a101
cid
CUSTOMER