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Assignment 2 – Section 1 – Prompt 3

Architecture 1 (Type 1):

In this architecture, address changes overwrite the old value (i.e., no history). This is a Type 1 SCD (Slowly Changing Dimension) as changes overwrite previous data.

Table Name: CUSTOMER_ADDRESS

Table Columns:

customer_id

street_address

city

state_province

postal_code

country

Architecture 2 (Type 2):

In this architecture, a history of all addresses a customer has had (with time ranges) is maintained. This is a Type 2 SCD (Slowly Changing Dimension) as changes create a new version and retain full history.

Table Name: CUSTOMER_ADDRESS

Table Columns:

customer_address_id

customer_id

street_address

city

state_province

postal_code

country

start_date_key

end_date_key

is_current