SCD1

Change Type:

Slowly Changing Dimension Type 1

Before Image:

	productSK	prodID	name	price1	price2	prodTypeID	typeDescription	BUID	BUIDname	BUIDabbrev	saleBy
▶	3	25	Automobiles Fillers	283.83	227.63	NULL	Fillers	D	Miscellaneous	Misc	NULL

After Image:

	productSK	prodID	name	price1	price2	prodTypeID	typeDescription	BUID	BUIDname	BUIDabbrev	saleBy
▶	3	25	Automobile Fillers CHANGED	283.83	227.63	NULL	Fillers	D	Miscellaneous	Misc	NULL

Rationale for change:

For this situation we were pretending that the name of the product contained a misspelled word. So we overwrote the name to be correct.

SCD2

Change Type:

Slowly Changing Dimension Type 2

Before Image:

●	351 13:42:32 SELECT * FROM product LIMIT 0, 1000		41 row(s) returned

After Image:

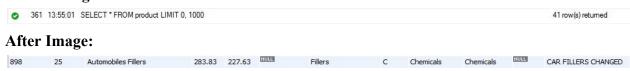| 999	25	Automobiles Fillers	283.83	227.63	NULL	Fillers	C	Chemicals	Chemicals	NULL

Rationale for change:

For this situation we were pretending that the BUID of the product was changed. So as this was a type 2 change the original record remains and we added an additional record to reflect the change made.

SCD3

Change Type:

Slowly Changing Dimension Type 3

Before Image:

●	361 13:55:01 SELECT * FROM product LIMIT 0, 1000		41 row(s) returned

After Image:

898	25	Automobiles Fillers	283.83	227.63	NULL	Fillers	C	Chemicals	Chemicals	NULL	CAR FILLERS CHANGED

Rationale for change:

For this situation we were pretending that the Name of the product needed to be changed. So as this was a type 3 change we updated the name column to 'previousName' and then added an additional column called 'newName' so as to preserve the old name.

SCD4

Change Type:

        Slowly Changing Dimension Type 1

Before Image:

	productSK	prodID	name	price1	price2	prodTypeID	typeDescription	BUID	BUIDname	BUIDabbrev	saleBy
►	3	25	Automobiles Fillers	283.83	227.63	NULL	Fillers	D	Miscellaneous	Misc	NULL

After Image:

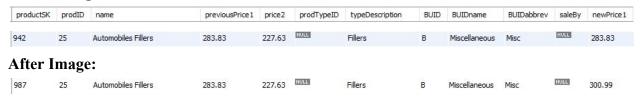|	productSK	prodID	name	price1	price2	prodTypeID	typeDescription	BUID	BUIDname	BUIDabbrev	saleBy
►	3	420	Automobiles Fillers	283.83	227.63	NULL	Fillers	D	Miscellaneous	Misc	NULL

Rationale for change:

        For this situation we were pretending that the ProdID was incorrect. This was a type 1 change so we just updated the column to the new ProdID.

SCD5

Change Type:

        Slowly Changing Dimension Type 6

Before Image:

productSK	prodID	name	previousPrice1	price2	prodTypeID	typeDescription	BUID	BUIDname	BUIDabbrev	saleBy	newPrice1
942	25	Automobiles Fillers	283.83	227.63	NULL	Fillers	B	Miscellaneous	Misc	NULL	283.83

After Image:

productSK	prodID	name	previousPrice1	price2	prodTypeID	typeDescription	BUID	BUIDname	BUIDabbrev	saleBy	newPrice1
987	25	Automobiles Fillers	283.83	227.63	NULL	Fillers	B	Miscellaneous	Misc	NULL	300.99

Rationale for change:

        For this situation we were pretending that the Price1 needed to be updated. So as this was a type 6 change we had to create the columns 'preivousPrice1' and 'newPrice1'. Then we inserted a record into the table with the previous price 1 being equal to the current and new price 1. After that we inserted another new record into the table with the previous price 1 being equal to the first record then a new price 1 where the price was changed.

Referenced Folder/Files:

        All_SCD_Files_Final.zip