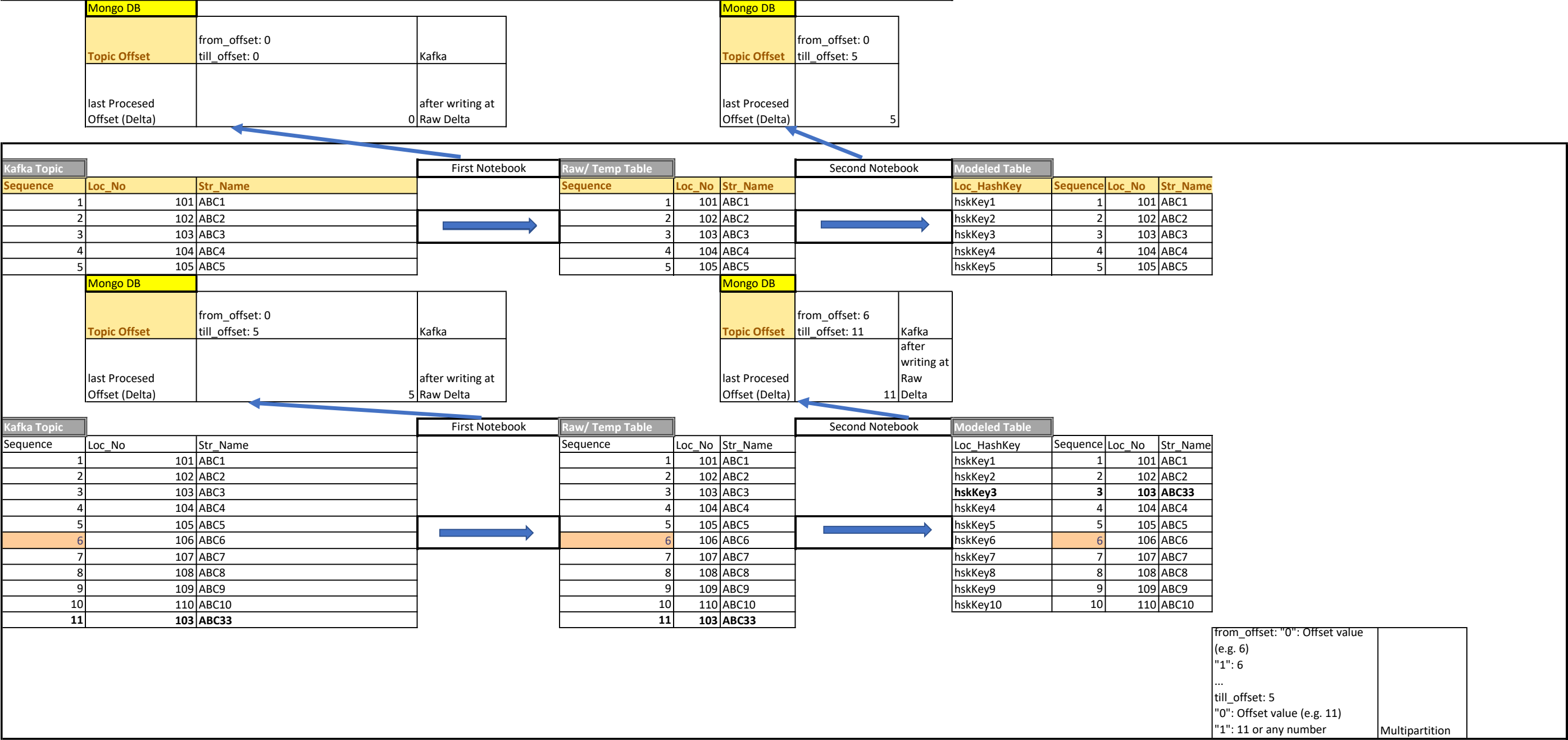


Case 1: There is no reference Table, Simple ingestion with Merge Upsert logic



Mongo DB

Topic Offset

from_offset: 0
till_offset: 5

Kafka

last Procesed Offset (Delta)

5

after writing at Raw Delta

Mongo DB

Topic Offset

from_offset: 6
till_offset: 11

Kafka

last Procesed Offset (Delta)

11

after writing at Raw Delta

Kafka Topic

Sequence

Loc_No

Str_Name

1

101

ABC1

2

102

ABC2

3

103

ABC3

4

104

ABC4

5

105

ABC5

6

106

ABC6

7

107

ABC7

8

108

ABC8

9

109

ABC9

10

110

ABC10

11

103

ABC33

First Notebook

Raw/ Temp Table

Sequence

Loc_No

Str_Name

1

101

ABC1

2

102

ABC2

3

103

ABC3

4

104

ABC4

5

105

ABC5

6

106

ABC6

7

107

ABC7

8

108

ABC8

9

109

ABC9

10

110

ABC10

11

103

ABC33

Second Notebook

Modeled Table

Loc_HashKey

Sequence

Loc_No

Str_Name

hskKey1

1

101

ABC1

hskKey2

2

102

ABC2

hskKey3

3

103

ABC33

hskKey4

4

104

ABC4

hskKey5

5

105

ABC5

hskKey6

6

106

ABC6

hskKey7

7

107

ABC7

hskKey8

8

108

ABC8

hskKey9

9

109

ABC9

hskKey10

10

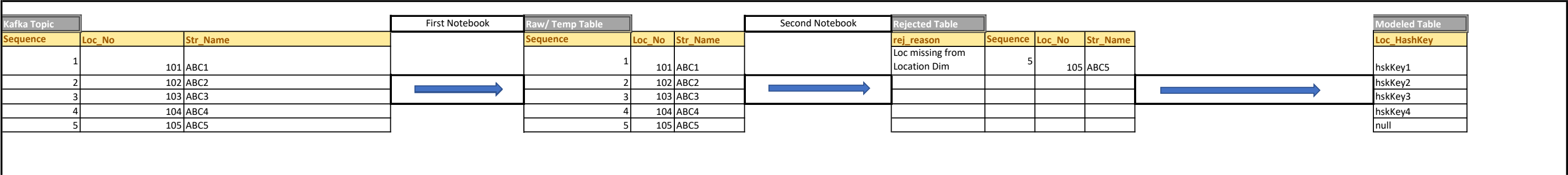
110

ABC10

from_offset: "0": Offset value (e.g. 6)
"1": 6
...
till_offset: 5
"0": Offset value (e.g. 11)
"1": 11 or any number

Multipartition

Case 2: In case we have to do a lookup with other Table, e.g. Sales, location CFA which has reference with Dimension tables



Modeled Table

Loc_HashKey

Sequence

Loc_No

Str_Name




hskKey1

hskKey2

hskKey3

hskKey4

null

Kafka Topic			First Notebook	Raw/ Temp Table			Second Notebook	Rejected Table				Modeled Table	
Sequence	Loc_No	Str_Name		Sequence	Loc_No	Str_Name		rej_reason	Sequence	Loc_No	Str_Name		Loc_HashKey
1	101	ABC1		1	101	ABC1							hskKey1
2	102	ABC2		2	102	ABC2							hskKey2
3	103	ABC3		3	103	ABC3							hskKey3
4	104	ABC4		4	104	ABC4							hskKey4
5	105	ABC5		5	105	ABC5							hskKey5
6	106	ABC6		6	106	ABC6							hskKey6
7	107	ABC7		7	107	ABC7							hskKey7
8	108	ABC8		8	108	ABC8							hskKey8
9	109	ABC9		9	109	ABC9							hskKey9
10	110	ABC10		10	110	ABC10							hskKey10
11	103	ABC33		11	103	ABC33							