Scenario -1

Question1: What are the strengths and weaknesses of each option?

Sol:

Strength for option A: The amount of space for storing tables and data is less and querying will be fast and effective

Strength for option B: for reporting purpose this will be best way

Strength for option c: It is best for both querying and reporting

Weakness for option A: low amount of storage is used and cost benefit. low amount work for ETL team

Weakness for option B: Data duplication is high and data Integrity losses and high amount work for ETL team

Weakness for option C: More joins required and more querying required and high Computation cost

Scenario 2

Question1:

Sol:

Strength for option A: Best way of storing updated data. cost effective

Strength for option B: Best way of storing data and present industry is this type. Good way for storing historical data and cost effective

Strength for option c: good way for storing in extra table and but storage and maintenance is required

Strength for option D: Not Recommend

Weakness for option A: Historical data is lost

Weakness for option B: No weakness but for certain time period there is lot amount historical data.

Weakness for option C: More joins required and more querying required and high Computation cost

Weakness for option D: Not Recommended