Business Intelligence

Theory Assignment 2

1) Cube & Types of schema Design:
→   A cube is a data structure used in
    busniess intelligence for multidimensional
    data analysis. It is designed to allow
    users to analyze data form multiple
    dimenision & prespectives, providing a more
    comprechsine view of the data star the
    schema has a contrat fact table that
    is surrounded by dimension table cohile
    snowflake schema is a variation of the
    star schema cohere dimonsion are further
    normalized. Galaxey schema is a laybrid
    schema that corlbines the features of
    both star 2 snowflake schema.

2) Difference between BI & data coanehouse
→   Business Intelligence (BI) is the process
    of analyzing data to grow & gain the
    insights & make informed decisions,
    cohite a data coanehouse is a centrali-
    zed hopository cohere data form differen
    sources is stewed & organized to the
    performed analysis & generate, reports.

3) Need for BI in Different sectors.

→ BI is needed in different sectors to improve decision - making optimize the processes and gain a competitive edge. In the healthcare sector, BI can be used to improve patient outcomes & reduce costs. In the retail sector, BI can be used to improve inventory management & customers retention.