Data Warehousing and ETL Assessment

Business Case: Fashion Reliance Trends

Trends is India's largest fashion retail chain across India. Trends offers stylish, high-quality products across Womenswear, Menswear, Kids wear and fashion accessories through a diversified portfolio of own brands, national and international brands.
The uniqueness of the store is the core, which delivers "fashion at great value". Spread over 8,000 – 24,000 square feet of shopping area, each Trends store is designed to offer a unique shopping experience for the entire family through wide aisles, coordinated displays and highly trained fashion professionals offering best in class customer assistance.

Concept Need to know

- RDBMS
- ER-Modelling
- Dimension Modelling
- DWH
- ETL Concept

Tasks need to perform

- Write a short synopsis on the given Business case as per your understanding. **(5 Marks)**
- Create an ER Model to implement it in Oracle DB as per Business Case and Data Sets. **(15 marks)**
- Convert the ER Model in Dimension model to implement Data Warehouse for Analytical use in Oracle DB. **(15 Marks)**
- As part of ETL process, write a script to create the structure of ER and Dimension Model in Oracle DB. **(15 marks)**
- Write a script for Insert statement and Data manipulation using SQL for your ER and Dimension models respectively. **Only 50 records** need to be inserted. **(30 marks)**
- Write random queries on the final Data warehouse DB after data been inserted with required changes to ensure the Business Analytical needs. **(10 marks)**
- You need to submit all the script files and snippets of activity as a pdf document to our LMS. **(10 marks)**