BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE

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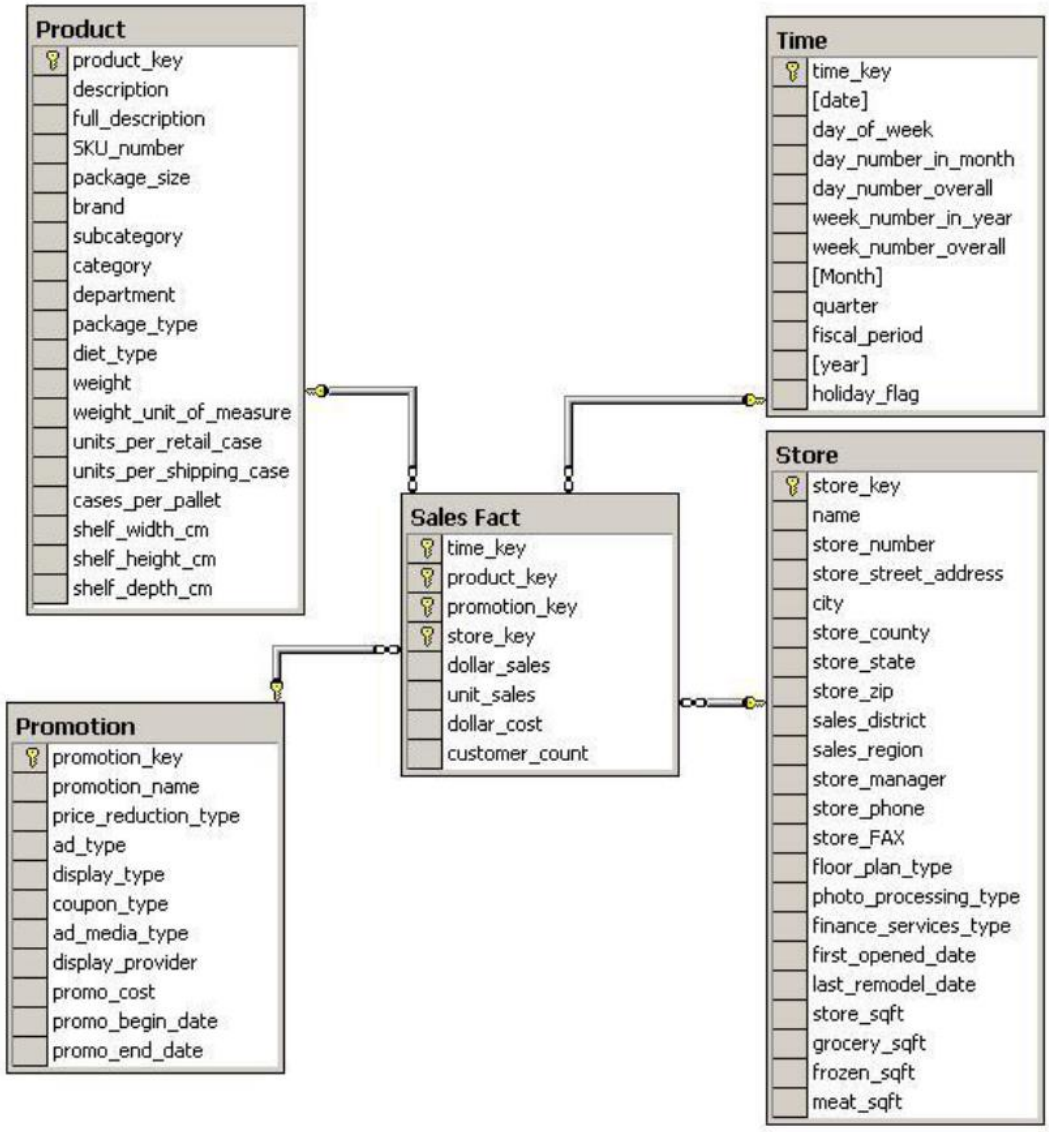
DATA WAREHOUSING
[SS ZG515]

AGGREGATIONS USING SQL

GROCERY STORE : OLTP SYSTEM

Given is the Referential Integrity Diagram of the tables involved for trying out the queries:



Implement the design of the OLTP system for the Grocery Store and run the following queries in SQL using aggregate operators.

1. Sales total w.r.t. Categories by store by day
2. Sales Total by store by day
3. Sales Total of district by product by day
4. Sales total for a month by product by store
5. Sales total for a year by product by store
6. Sales Total by category by district by day
7. Sales Total by year by category by Store
8. Sales Total by year by All stores by product
9. Sales Total of category by month by district
10. Sales Total of category by all stores by month
11. Sales Total of category by division by year
12. Sales Total of category by store by year
13. Queries related to find out differences between sales of given two days in a particular week.
14. Queries related to calculating average selling price for a given period of time.
15. Queries related to sales in $ / volume by department and by product.