Data Warehouse and Business Intelligence Lab

DEARTMENT   Department of Data Science

COURSE NAME   Data Warehouse and Business Intelligence Lab

COURSE CODE   DS-306

MANUAL LAB 4

Objective: To establish that writing analytical queries over a relational database is a challenging task

TASK 1: For the Northwind Database write SQL queries for the following basic statements

1. Select monthly sales by customer state compared to those of the previous year
2. Monthly sales growth per product, that is, total sales per product compared to those of the previous month
3. List the top three best-selling employees
4. Best-selling employee per product and year
5. Countries that account for top 50% of sales amount
6. Total sales and average monthly sales by employee and year
7. Total sales amount and total discount amount per product and month.
8. Monthly year-t-date sales for each product category
9. Moving average over the last 3 months of the sales amount by product category
10. Personal sales amount made by an employee compared with the total sales amount made by herself and her subordinated during 1997