

# Module 1

## Overview of Design and Build a Data Warehouse

Lesson 2: Course topics and assignments

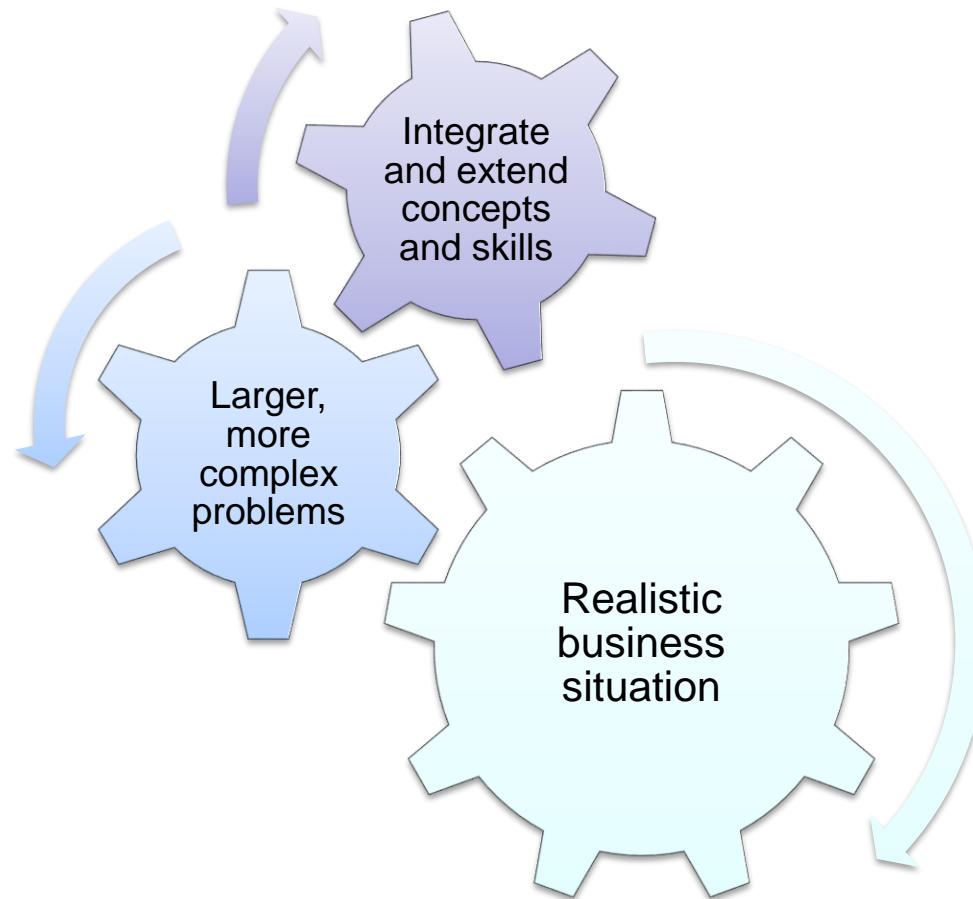


# Lesson Objectives

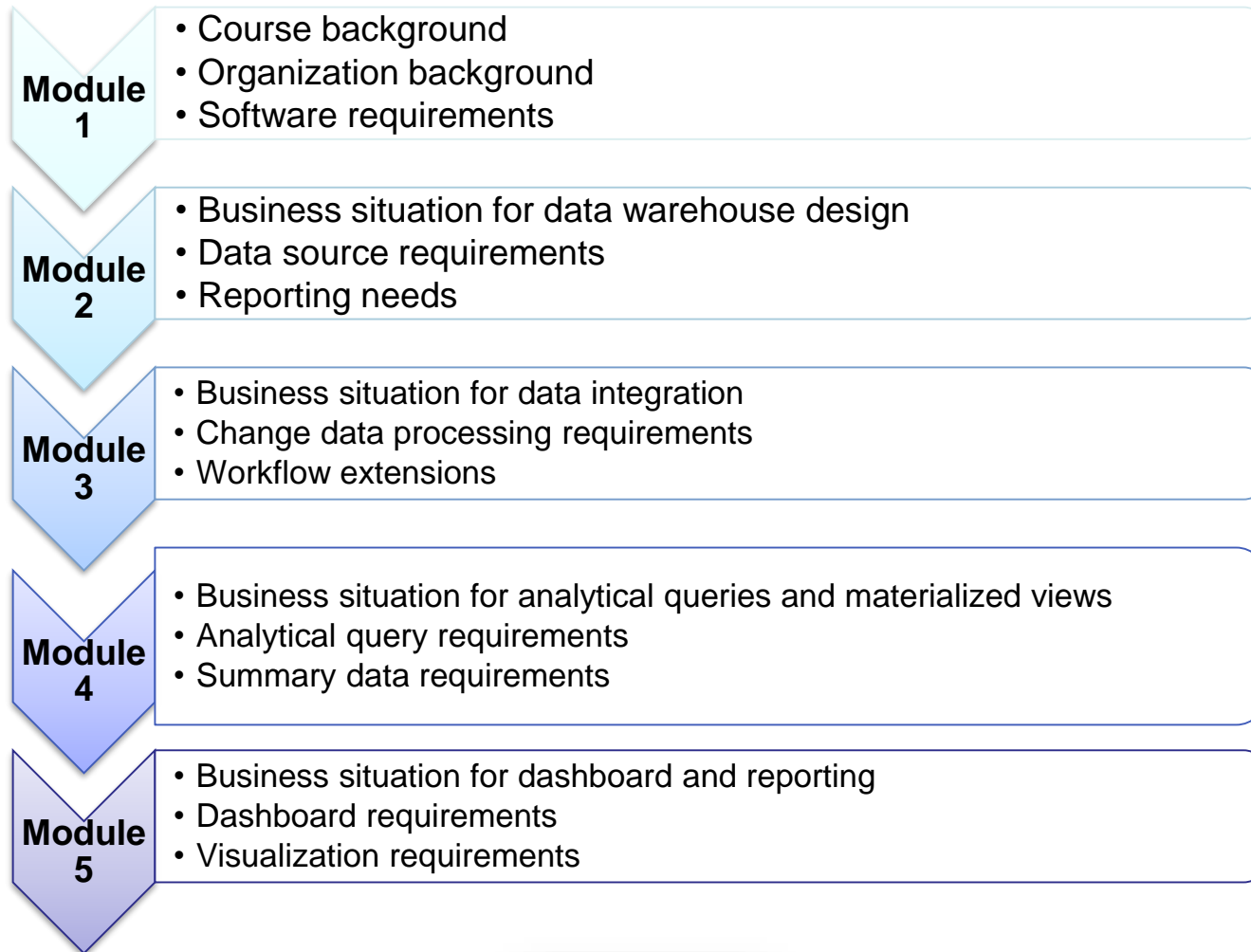
- Understand course orientation and flow
- Plan for assignments and assessments
- Install and configure software



# Case Study



# Course Flow



# Lesson Overviews

Context for each module

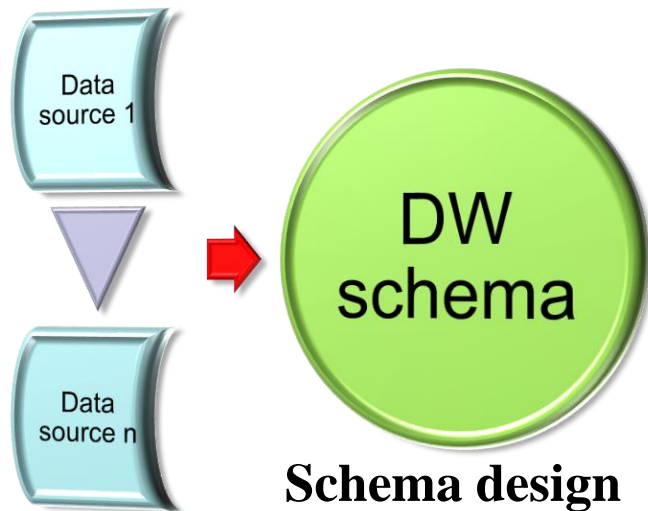
Executive interviews

Case background

Perspectives from external organizations

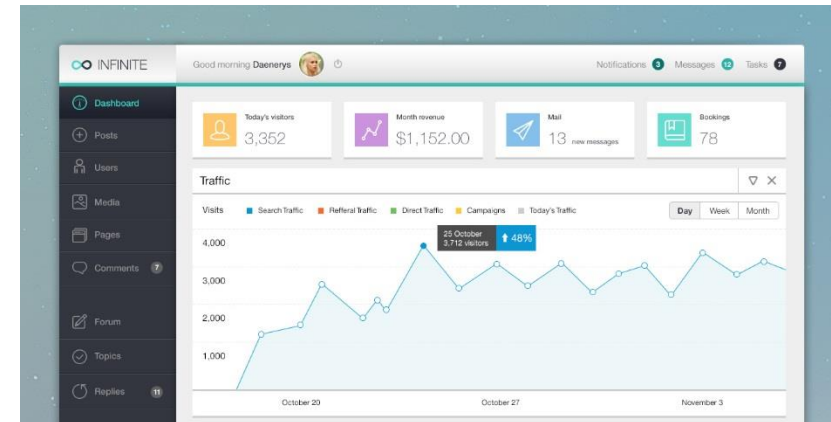
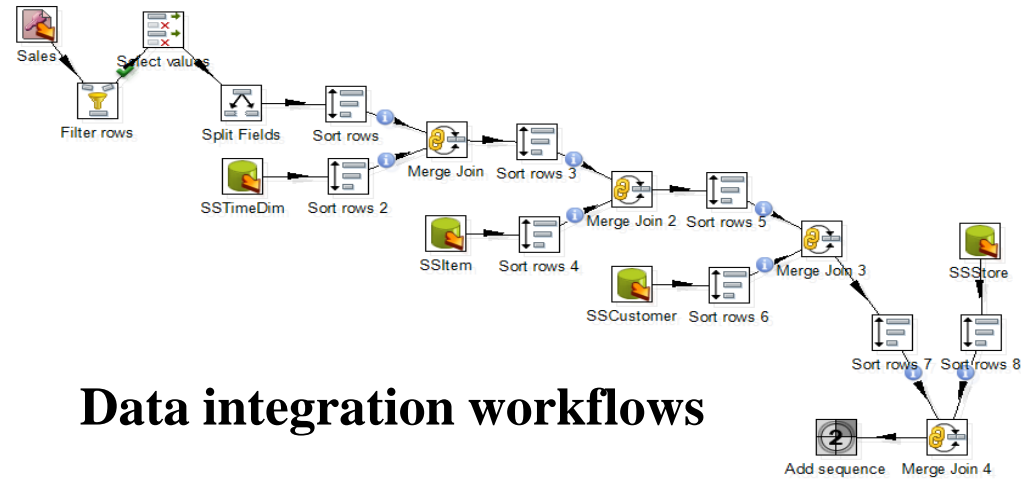


# Assignments



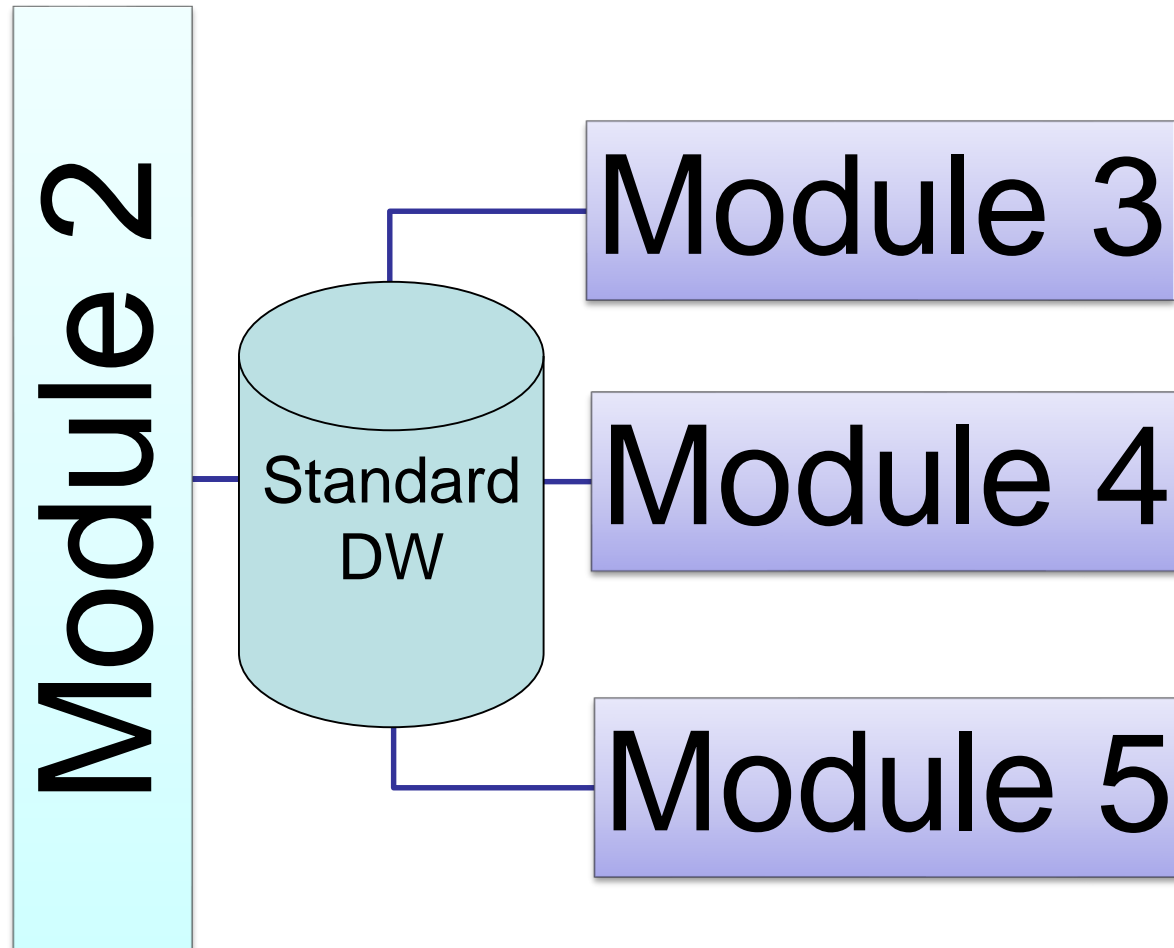
```
SELECT CustState, CustName,
SUM(SalesDollar) AS SumSales,
RANK() OVER (PARTITION BY CustState
ORDER BY SUM(SalesDollar) DESC)
SalesRank
...
```

## SQL analytical queries



## Dashboard and visualizations

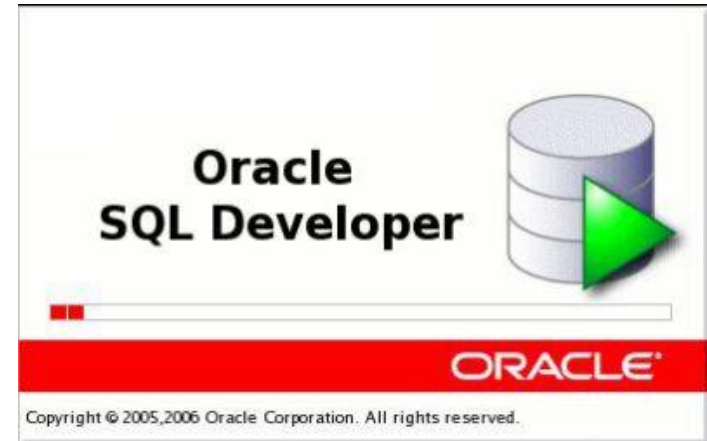
# Assignment Dependency





# Tools

**ORACLE®**  
**DATABASE**



 **kettle™**  
pentaho data integration



**MicroStrategy®**



# Summary

- Integrate and extend concepts and skills
- Organized around realistic case study
- Assignments based on major parts of other courses
- Usage of Oracle server and client, Pentaho Data Integration, and Microstrategy Desktop
- Executive interviews for organizational perspectives

